

Issue Date 3/28/2018

Revision Date 3/28/2018

Version 1.1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Burn Off 2

Other means of identification

Product Code 1070

Recommended use of the chemical and restrictions on use

Recommended use Oven & Grill Cleaner
Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Company Name Blue Cardinal Chemical, LLC
3670 Scarlet Oak Blvd.
St. Louis, MO 63122
800-325-3312

Emergency telephone number

Emergency Telephone CHEMTEL 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

GHS-US classification

Metal Corrosive	Category 1	H290
Acute Toxicity (Oral)	Category 4	H302
Skin Corrosive	Category 1C	H314

Label elements

Emergency Overview

DANGER

Hazard statements

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



Appearance: Transparent. slight yellow. gel

Physical state: Liquid

Odor: Odorless



Precautionary Statements - Prevention

Keep only in original container.
Do not breathe mist, spray.
Wash thoroughly after handling
Do not eat, drink or smoke when using this product.
Wear eye protection, protective clothing, protective gloves.

Precautionary Statements - Response

If swallowed: Call a doctor, a POISON CENTER if you feel unwell
If swallowed: rinse mouth. Do NOT induce vomiting
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
If inhaled: Remove person to fresh air and keep comfortable for breathing
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a doctor, a POISON CENTER
Specific treatment (see First aid measures on this label)
Rinse mouth.
Wash contaminated clothing before reuse.
Absorb spillage to prevent material-damage.

Precautionary Statements - Storage

Store locked up.
Store in corrosive resistant container with a resistant inner liner.

Precautionary Statements - Disposal

Dispose of contents/container to comply with local/regional/national/international regulations.

Hazards not otherwise classified (HNOC)**Other Information**

• N/A

Unknown Acute Toxicity

N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	GHS-US classification	TRADE SECRET
Potassium hydroxide	1310-58-3	5-10	Met. Corr. 1, H290 Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314	*

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

Full text of H-phrases: see section 16

4. FIRST AID MEASURES**First aid measures****General Advice**

If you feel unwell, seek medical advice (show the label where possible).

Skin Contact

Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

Eye Contact

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.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

Ingestion

Rinse mouth. Do NOT induce vomiting. Call a poison center/doctor/physician if you feel unwell.

Most important symptoms and effect, both acute and delayed**Symptoms**

Symptoms/effects : Causes severe skin burns and eye damage. Harmful if swallowed.
Symptoms/effects after inhalation : May cause respiratory irritation.
Symptoms/effects after skin contact : Caustic burns/corrosion of the skin.
Symptoms/effects after eye contact : Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.
Symptoms/effects after ingestion : Harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Adapt extinguishing media to the environment for surrounding fires.

Specific hazards arising from the chemical

Reactivity : Upon combustion: CO and CO₂ are formed.

Protective equipment and precautions for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES**General measures**

Isolate from fire, if possible, without unnecessary risk.

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

Gloves. Protective goggles. Protective clothing.

Emergency procedures

Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing.
Ventilate spillage area.

For emergency responders**Protective equipment**

Equip cleanup crew with proper protection.

Emergency procedures

Stop leak if safe to do so. Stop release. Ventilate area.

Environmental precautions**Environmental precautions**

Avoid release to the environment. Prevent soil and water pollution.

Methods and material for containment and cleaning up**Methods for containment**

Contain released product, pump into suitable containers.

Methods for cleaning up

This material and its container must be disposed of in a safe way, and as per local legislation.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Comply with applicable regulations. Always add the product to the water for dilution/mixture. Never Keep container closed when not in use. Protect from freezing. Add water to this product. KEEP SUBSTANCE AWAY FROM: (strong) acids. Keep only in the original container. Store in a dry area. Store in a cool area. Special rules on packaging : meet the legal requirements.

Incompatible Materials

Strong acids. Aluminum. Tin. Zinc. Cleaning agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

potassium hydroxide (1310-58-3)		
ACGIH	ACGIH Ceiling (mg/m ³)	2 mg/m ³
ACGIH	Remark (ACGIH)	URT, eye, & skin irr

Appropriate engineering controls

Engineering Controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses.

Skin and body protection

Gloves. Protective clothing.

General Hygiene

Use appropriate personal protective equipment when risk assessment indicates this is necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State

Liquid

Appearance

Transparent. slight yellow. gel.

Color

Transparent. slight yellow.

Odor

Odorless

Odor Threshold

No data available

Property

Values

pH

14

Melting point

No data available

Freezing point

No data available

Boiling point	No data available
Flash point	No data available
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 °C	No data available
Specific gravity / density	1.09 g/ml
Solubility	Soluble in water.
Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
VOC content	0 %

10. STABILITY AND REACTIVITY

Reactivity

Upon combustion: CO and CO₂ are formed.

Chemical Stability

Stable under normal conditions.

Possibility Of Hazardous Reactions

Refer to section on Reactivity.

Conditions To Avoid

No additional information available

Incompatible Materials

May be corrosive to metals.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral: Harmful if swallowed.

Potassium hydroxide (1310-58-3)	
LD50 oral rat	273 mg/kg (Rat)
ATE CLP (oral)	273 mg/kg body weight

Skin corrosion/irritation

Causes severe skin burns and eye damage.

pH: 14

Serious eye damage/irritation

Not classified

pH: 14

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ toxicity (single exposure)

Not classified

Specific target organ toxicity (repeated exposure)

Not classified

Aspiration hazard

Not classified

Symptoms/injuries after inhalation

May cause respiratory irritation.

Symptoms/injuries after skin contact

Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact

Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

Symptoms/injuries after ingestion

Harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints.

Likely routes of exposure

Skin and eye contact

12. ECOLOGICAL INFORMATION**Toxicity**

potassium hydroxide (1310-58-3)	
LC50 fish 1	80 mg/l (96 h, Gambusia affinis)

Persistence and Degradability

potassium hydroxide (1310-58-3)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

Bioaccumulative potential

potassium hydroxide (1310-58-3)	
Bioaccumulative potential	Not bioaccumulative.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

Department of Transportation (DOT)

UN1760 Corrosive liquids, n.o.s. (Potassium Hydroxide), 8, III

DOT

UN/ID No.	UN1760.
Proper Shipping Name	Corrosive liquids, n.o.s.
Hazard Class	8 - Class 8 - Corrosive material 49 CFR 173.136
Packing Group	III - Minor Danger
Class (DOT)	8 - Class 8 - Corrosive material 49 CFR 173.136

Hazard labels (DOT)

8 - Corrosive

**Packing group (DOT)**

III - Minor Danger

DOT Packaging Non Bulk (49 CFR 173.xxx)

203

DOT Packaging Bulk (49 CFR 173.xxx)

241

DOT Symbols

G - Identifies PSN requiring a technical name

DOT Special Provisions (49 CFR 172.102)

IB3,T7,TP1,TP28

DOT Packaging Exceptions (49 CFR 173.xxx)

154

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)

5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)

60 L

DOT Vessel Stowage Location

A

DOT Vessel Stowage Other

40 - Stow "clear of living quarters"

Additional information

Emergency Response Guide (ERG) Number : 154

Other information : When transported by ground, this product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.154. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may be required.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

15. REGULATORY INFORMATION**International Inventories**

TSCA All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Legend:**TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Potassium hydroxide (1310-58-3)	
Not subject to reporting requirements of the United States SARA Section 313	
CERCLA RQ	1000 lb

US State Regulations**California Proposition 65**

This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

16. OTHER INFORMATION

Training advice: Normal use of this product shall imply use in accordance with the instructions on the packaging.



NFPA	Health hazards	2	Flammability	0	Reactivity	0
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Full text of H-phrases:

H290	May be corrosive to metals
H301	Toxic if swallowed
H314	Causes severe skin burns and eye damage

Issue Date 03/28/2018
Revision Date 03/28/2018
Revision Note

N/A = Not Applicable; N/D = Not Determined

Disclaimer

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, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet