

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: Reliable Brand Oven and Grill Cleaner
Product Number: 416754
Company Information: Veritiv Operating Company
1000 Abernathy Rd NE, Suite 1700
Atlanta, GA 30328 United States
Company Phone: (844) 837-4848
Emergency Telephone US: (866) 836-8855
Emergency Telephone Outside US: (952) 852-4646
Version: 01
Recommended Use: Cleaner
Recommended Restrictions: DO NOT USE IN A MANNER INCONSISTENT WITH THE LABEL

2. HAZARD IDENTIFICATION

Physical Hazards	Flammable aerosol	Category 1
Health Hazards	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1

Label Elements



Signal Word: Danger
Hazard Statement: Extremely flammable aerosol. Causes severe skin burns and eye damage.
Causes serious eye damage.

Precautionary Statement:
Precautions: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response: 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 skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. 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 poison center/doctor.

Storage: Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental Information: None
Hazard(s) not otherwise classified (HNOC): None Known

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT(S)	CAS NUMBER	WEIGHT%
Butane	106-97-8	2.5 – 10
Diethylene Glycol Monobutyl Ether	112-34-5	2.5 – 10
Sodium Hydroxide	1310-73-2	2.5 – 10
Propane	74-98-6	1 – 2.5
Alcohols, C10 – 16, Ethoxylated	68002-97-1	0.1 – 1
Alcohols, C9 – 11, Ethoxylated	68439-46-3	0.1 – 1

Other components below reportable levels

80 – 90

EXACT PERCENTAGES ARE BEING WITHHELD AS TRADE SECRET INFORMATION

4. FIRST-AID MEASURES

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin Contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most Important Symptoms/Effects: Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

NOTE TO PHYSICIAN: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Powder. Alcohol resistant foam. Carbon Dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the chemical: Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Special Protective Equipment And Precautions for Firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire-Fighting Equipment/Instructions: In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific Methods: Cool containers exposed to flames with water until well after the fire is out.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Environmental Precautions: Avoid discharge into drains, water courses or onto the ground.
 Clean-Up Methods: Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Handling: Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground and bond containers when transferring material. Do not re-use empty containers. Do not get in eyes, on skin, or on clothing. Avoid breathing mist or vapor. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Storage: Level 1 Aerosol. Contents under pressure. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits
 US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value
Propane (CAS 74-98-6)	PEL	1800 mg/m ³ 1000 ppm
Sodium Hydroxide (CAS 1310-73-2)	PEL	2 mg/m ³

US ACGIH Threshold Limit Values

Component	Type	Value
Butane (CAS 106-97-8)	STEL	1000 ppm
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)	TWA	10 ppm
Sodium Hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m ³

US NIOSH: Pocket Guide to Chemical Hazards Components

Component	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m ³ 800 ppm
Propane (CAS 74-98-6)	TWA	1900 mg/m ³ 1000 ppm
Sodium Hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m ³

Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Personal Protective Equipment:
 Eyes: Wear safety glasses with side shields (or goggles) and a face shield.

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Hands:	Wear appropriate chemical resistant gloves.
Respiratory:	If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
Feet:	Wear suitable protective clothing.
Body:	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
General Hygiene Considerations:	When using, do not smoke. Always observe good personal hygiene measures such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	Liquefied gas.
Form	Aerosol.
Color	Colorless
Odor	Glycol Ether
Odor Threshold	Not Available
pH	12.62 – 13.62
Melting point/Freezing point	Not Available
Initial boiling point and boiling range	Not Available
Flash Point	-156.0°F (-104.4°C) Propellant estimated
Evaporation Rate	Not Available
Flammability (solid, gas)	Not Available
Upper/Lower flammability or explosive limits	
Flammability Limit – Lower (%)	Not Available
Flammability Limit – Upper (%)	Not Available
Explosive Limit – Lower (%)	Not Available
Explosive Limit – Upper (%)	Not Available
Vapor Pressure	50 – 70 psig @70°F
Vapor Density	Not Available
Relative Density	Not Available
Solubility (Water)	Not Available
Partition Coefficient	Not Available
Auto-Ignition Temperature	Not Available
Decomposition Temperature	Not Available
Viscosity	Not Available
Specific Gravity	1.076

10. STABILITY AND REACTIVITY

Chemical Stability	Material is stable under normal conditions.
Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents.
Possibility of Hazardous Reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.
Incompatible Materials	Acids. Strong oxidizing agents. Nitrates. Fluorine. Chlorine.
Hazardous Decomposition Products	No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information of Routes of Exposure: No LC50/LD50 Test Data on Mixture Available

Acute Effects/Symptoms:

Eyes:	Causes severe eye damage.
Skin:	Causes severe skin burns.
Ingestion:	Causes digestive tract burns.
Inhalation:	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Carcinogens:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Germ Cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Respiratory Sensitizer:	This product is not expected to cause respiratory sensitization.
Skin Sensitizer:	This product is not expected to cause skin sensitization.
Reproductive Toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific Target Organs (Single/Repeated):	Not classified.
Aspiration Hazard:	Not likely, due to the form of the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity/Chemical Fate: Not Test Data on Mixture Available

13. DISPOSAL CONSIDERATION

Disposal Method: Dispose of contents in accordance with all federal, state, and local applicable laws and regulations. Consult state and local authorities for restrictions on disposal of chemical waste. Manage chemical wastes through an approved waste treatment facility. Pressurized container: Do not pierce or burn, even after use. Do not incinerate. When contents are depleted continue to depress button until all gas is expelled. Aerosol cylinder is not refillable. Give to a disposal service equipped to safely dispose of pressurized containers. Please recycle packaging whenever possible.

14. TRANSPORTATION INFORMATION

DOT/IMDG/TDG UN1950, Aerosols, flammable, 2.1, LTD. QTY.

15. REGULATORY INFORMATION

US Federal Regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the US EPA TSCA Inventory List.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Sodium Hydroxide (CAS 1310-73-2) Listed
SARA 304 Emergency Release Notification	Not regulated
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not Listed.
Superfund Amendments and Reauthorized Act of 1986 (SARA)	
Hazard Categories	Immediate Hazard – Yes Delayed Hazard – No Fire Hazard – Yes Pressure Hazard – Yes Reactivity Hazard – No
SARA 302 Extremely Hazardous Substance	Not listed.
SARA 311/312 Hazardous Chemical	No
SARA 313 (TRI Reporting)	Not regulated
Other Federal Regulations	
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Butane (CAS 106-97-8)

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Propane (CAS 74-98-6)
Safe Drinking Water Act (SDWA)
Not Regulated.

US State Regulations

US Massachusetts RTK – Substance List
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)
Sodium Hydroxide (CAS 1310-73-2)

US New Jersey Worker and Community Right-To-Know Act
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)
Sodium Hydroxide (CAS 1310-73-2)

US Pennsylvania Worker and Community Right-To-Know Law
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)
Sodium Hydroxide (CAS 1310-73-2)

US Rhode Island RTK
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)
Sodium Hydroxide (CAS 1310-73-2)

US California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. OTHER INFORMATION

Issue Date: 06-8-2016
Version: 01
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.