Reckitt **Benckiser**

**MATERIAL SAFETY DATA SHEET**

**1. Product and Company Identification**

**Product Name CAS# Product use Distributed by**

**Professional EASY-OFF® - Oven & Grill Cleaner Aerosol**

Mixture Oven cleaner

Reckitt Benckiser

Morris Corporate Center IV

399 Interpace Parkway

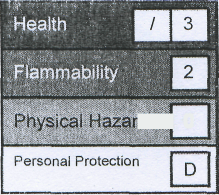
P.O. Box 225

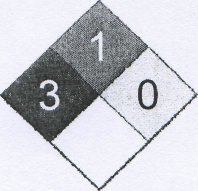
Parsippany, NJ 07054-0225

In Case of Emergency: 1-800-338-6167

Transportation Emergencies: 24 Hour Number:

North America: CHEMTREC: 1-800-424-9300 Outside North America: 1-703-527-3887





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|  |  |
| --- | --- |
| LEGEND HMIS/NFPA | |
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

***2.* Hazards Identification**

**Emergency overview**

DANGER -- CORROSIVE

CAUSES BURNS TO SKIN AND EYES ON CONTACT. HARMFUL !F SWALLOWED. Contents under pressure.

Avoid breathing spray mist. Wear long rubber gloves when using. Avoid contact with eyes, skin, mucous membranes and clothing. DO NOT ingest. Use only with adequate ventilation. Do not puncture or incinerate container. DO NOT expose to heat or store at temperatures above 120°F (49°C). Never leave can on stove or near source of heat. Avoid spraying oven pilot light. Keep off all electrical connections such as heating element, thermostat, bulb receptacles, and light switch. Avoid freezing.

**Potential short term health effects Routes of exposure Eyes Skin**

**Inhalation**

**Ingestion Target organs Chronic effects Signs and symptoms OSHA Regulatory Status**

**Potential environmental effects**

KEEP OUT OF REACH OF CHILDREN.

Eye, Skin contact, Inhalation, Ingestion. Causes burns.

Causes burns.

Not expected to be a skin sensitizer.

None expected during normal conditions of use.

However intentional misuse by deliberately concentrating and inhaling the contents may

be harmful or fatal.

Harmful if swallowed.

Eyes. Respiratory system. Skin. Gastrointestinal tract.

The finished product is not expected to have chronic health effects.

The product causes burns of eyes, skin and mucous membranes.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

See section 12.

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|  |  |  |  |
| --- | --- | --- | --- |
| 3. Composition | / Information | on Ingredients |  |
| Ingredient(s) |  | CAS# | Percent |
| Ethanol, 2-(2-butoxyethoxy)- |  | 112-34-5 | 2.5-10 |
| Petroleum gases, liquefied, sweetened |  | 68476-86-8 | 2.5-10 |
| Sodium hydroxide |  | 1310-73-2 | 2.5-10 |
| Monoethanolamine |  | 141-43-5 | 1 -2.5 |

4. First Aid **Measures**

**First aid procedures Eye contact**

**Skin contact**

**Inhalation**

**Ingestion**

**Notes to physician General advice**

IMMbDIATELY flush eyes with water. Remove any contact lenses and continue to flush eyes for at least 15 minutes. If irritation persists, seek medical attention immediately.

Rinse immediately and remove contaminated clothing. Wash thoroughly with soap and water and continue flushing for at least 10 minutes. If discomfort persists, seek medical attention immediately.

Move to fresh air. If symptoms develop or persist, seek medical advice.

Do not induce vomiting. Rinse mouth thoroughly and seek medical attention immediately.

Treat patient symptomatically.

Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

**Flammable properties Extinguishing media**

**Suitable extinguishing media**

**Unsuitable extinguishing media Protection of firefighters**

**Specific hazards arising from**

**the chemical**

**Protective equipment for firefighters**

**Hazardous combustion products**

**Explosion data**

**Sensitivity to mechanical impact** Not available **Sensitivity to static discharge** Not available

Aerosol flame extension less than 18 inches (45 cm).

Dry chemical. Alcohol foam. Water spray. Not available

Contents under pressure. Pressurized container may explode when exposed to heat or fiame. Cool containers with flooding quantities of water until well after fire is out.

Firefighters should wear full protective clothing including self contained breathing apparatus.

May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

**6. Accidental** Release Measures

**Personal precautions**

**Environmental precautions Methods for containment**

**Methods for cleaning up**

Ensure adequate ventilation. Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite.

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7, Handling **and Storage**

**Handling** DANGER

Ensure adequate ventilation. Do not get this material in your eyes, on your skin, or on your clothing. Do not breathe vapours or spray mist. Do not ingest. DO NOT expose to heat or store at temperatures above 120°F (49°C) as the container may burst. Wear long rubber gloves when using. Never leave can on stove or near source of heat. Avoid spraying oven pilot light. Keep off all electrical connections such as heating element, thermostat, bulb receptacles, and light switch.

**Storage** Keep out of reach of children. Do not store at temperatures above 49 °C (120.2°F).

Keep away from heat, open flames or other sources of ignition. Keep from freezing.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit www.inhalant.org.

8. Exposure Controls **/ Personal Protection**

**Exposure limits**

**Ingredient(s) Exposure Limits**

Ethanol, 2-(2-butoxyethoxy)- ACGIH-TLV

Not established **OSHA-PEL**

Not established

Monoethanolamine **ACGIH-TLV**

TWA: 3 ppm STEL: 6 ppm **OSHA-PEL**

TWA: 3 ppm

Petroleum gases, liquefied, sweetened **ACGIH-TLV**

Not established **OSHA-PEL**

Not established

Sodium hydroxide ACGIH-TLV

Ceiling: 2 mg/m3 **OSHA-PEL** TWA: 2 mg/m3

**Engineering controls** Provide adequate ventilation.

**Personal protective equipment**

**Eye / face protection** tightly fitting safety goggles

**Hand protection** Rubber gloves. Confirm with a reputable supplier first.

**Skin and body protection** As required by employer code, long sleeved clothing

Follow label directions carefully.  
**Respiratory protection** Not normally required under normal use conditions.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. When using do

not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical **Properties**

**Appearance** l-oamy Spray

**Color** White.

**Form** Aerosol

**Odor** Characteristic

**Odor threshold** Not available

**Physical state** Gas

**pH** 13.3

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**Freezing point Boiling point Pour point Evaporation rate Flash point Auto-ignition temperature**

**Flammability limits in air, lower, % by volume**

**Flammability limits in air, upper, % by volume**

**Vapor pressure Vapor density Specific gravity Octanol/water coefficient Solubility (H2O) VOC (Weight %) Viscosity**

Not available Not available Not available Not available

> 200 °F *(>* 93.33 °C) (Liquid)  
Not available

Not available

Not available

Not available

Not available

1,052 @ 25"C (Concentrate)

Not available

> 95 % @ 70° F  
Not available  
Not available

Stability **and Reactivity**

**Reactivity**

**Possibility of hazardous reactions**

**Chemical stability**

**Conditions to avoid**

**Incompatible materials**

**Hazardous decomposition products**

This product may react with strong oxidizing agents. Hazardous polymerization does not occur. Stable under recommended storage conditions.

Aerosol containers are unstable at temperatures above 49°C (120.2°F).

Do not spray on pilot light, electrical connections, switch, heating elements, or

thermostats.

Do not spray onto aluminum or painted surfaces as damage to these surfaces may occur.

Do not use on grill exterior, interior or components.

Acids. Oxidizing agents. Aluminum.

May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

**11. lexicological Information**

|  |  |
| --- | --- |
| Component analysis - LC50 Ingredient(s) | LC50 |
| Ethanol, 2-(2-butoxyethoxy)- | Not available |
| Monoethanolamine | 1210 mg/m3 mouse |
| Petroleum gases, liquefied, sweetened | Not available |
| Sodium hydroxide Component analysis - Oral LD50 Ingredient(s) | Not available  LD50 |
| Ethanol, 2-(2-butoxyethoxy)- | 2000 mg/kg guinea pig; 3384 mg/kg rat; 2200 mg/kg rabbit |
| Monoethanolamine | 1720 mg/kg rat; 700 mg/kg mouse |
| Petroleum gases, liquefied, sweetened | Not available |
| Sodium hydroxide Effects of acute exposure  Eye Causes burns. Skin Causes burns. | Not available |

Not expected to be a skin sensitizer.

**Inhalation**

**Ingestion Sensitization Chronic effects**

None expected during normal conditions of use.

However intentional misuse by deliberately concentrating and inhaling the contents may

be harmful or fatal.

Harmful if swallowed.

The finished product is not expected to have chronic health effects.

The finished product is not expected to have chronic health effects.

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**Carcinogenicity Mutagenicity Reproductive effects Teratogenicity**

**Name of lexicologically Synergistic Products**

The finished product is not expected to have chronic health effects. The finished product is not expected to have chronic health effects. The finished product is not expected to have chronic health effects. The finished product is not expected to have chronic health effects. Not available

Ecological **Information**

**Ecotoxicity**

Components of this product have been identified as having potential environmental concerns.

**Ecotoxicity - Freshwater Algae - Acute** Toxicity Data

Ethanol, 2-(2-butoxyethoxy)- 112-34-5 96 Hr EC50 Desmodesmus subspicatus: >100 mg/L

Monoethanolamine 141-43-5 72 Hr EC50 Desmodesmus subspicatus: 15 mg/L

**Ecotoxicity - Freshwater Fish - Acute** Toxicity Data

96 Hr LC50 Lepomis macrochirus: 1300 mg/L [static]

96 Hr LC50 Pimephales promelas: 227 mg/L [flow-through]; 96 Hr LC50 Brachydanio

rerio: 3684 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 300-1000 mg/L [static]; 96

Hr LC50 Oncorhynchus mykiss: 114-196 mg/L [static]; 96 Hr LC50 Oncorhynchus

mykiss: >200 mg/L [flow-through]

96 Hr LC50 Oncorhynchus mykiss: 45.4 mg/L [static]

Ethanol, 2-(2-butoxyethoxy)-Monoethanolamine

112-34-5 141-43-5

Sodium hydroxide 1310-73-.°.

**Ecotoxicity - Water Flea - Acute Toxicity** Data

Ethanol, 2-(2-butoxyethoxy)- 112-34-5

Monoethanolamine 141-43-5

**Persistence / degradability** Not available

**Bioaccumulation / accumulation** Not available

**Mobility in environmental media** Not available

**Environmental effects** l\ot avaiiaole

**Aquatic toxicity.** Not available

**Partition coefficient** Not available

**Chemical fate information** Not available

24 Hr EC50 Daphnia magna: 2850 mg/L; 48 Hr EC50 Daphnia magna: >100 mg/L 48 Hr EC50 Daphnia magna: 65 mg/L

13. Disposes **Considerations**

**Disposal instructions**

**Waste from residues / unused products**

**Contaminated packaging**

Dispose in accordance with all applicable regulations. Not available

Not available

14. Transport Information

**U.S. Department of Transportation** (DOT")

UN1S50, Aerosols, Class 2.2 (8), Re-classed as Limited

Quantity, FDR5IDDEN FROM AIR TRANSPORT

**Transportation of Dangerous Goods** (TDG **-** Canada)

UN 1950, Aerosols, Class 2.2 (8), Re-classed as Limited

Quantity, FORBIDDEN FROM AIR TRANSPORT

**IMOG (Marine Transport)**

UN1950, Aerosols, Class 2.2 (8), Limited Quantity

**IATA/ICAO (Air)**

UN 1950, Aerosols, non-flammable, containing

substances in Class 8, Packing Group II, 2.2 (8), FORBIDDEN FROM AIR TRANSPORT

**15. Regulatory Information**

**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous** Yes **chemical**

**US Federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

Product Registration: Product is compliant with CPSC regulatory guidelines; a specific registration is not required for this product.

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

Sodium hydroxide 1310-73-2 1000 Lb final RQ; 454 kg final RQ

**U.S. - CWA (Clean Water Act) - Hazardous** Substances  
Sodium hydroxide 1310-73-2 Present

**CERCLA (Superfund) reportable quantity**

Sodium hydroxide: 1000.0000

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**Super-fund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes

Delayed Hazard - No Fire Hazard - No Pressure Hazard - Yes Reactivity Hazard - No

**Section 302 extremely** No

**hazardous substance**

**Section 311 hazardous chemical** No  
**Clean Air Act (CAA)** Not available

**Clean Water Act (CWA)** Hazardous substance

**State regulations** This product does not contain a chemical known to the State of California to cause

career, birth defects or other reproductive harm.

**U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances**

Monoethanolamine 141-43-5 Present

Sodium hydroxide 1310-73-2 Present

**U.S. - Illinois - Toxic Air Contaminants**

Monoethanolamine 141-43-5 Present

**U.S. - Louisiana - Reportable Quantity** List for Pollutants

Sodium hydroxide 1310-73-2 1000 Lb final RQ; 454 kg final RQ

**U.S. - Massachusetts - Right To Know** List

Monoethanolamine 141-43-5 Present

Sodium hydroxide 1310-73-2 Present

**U.S. - Minnesota - Hazardous Substance List**

Monoethanolamine 141-43-5 Present

Sodium hydroxide 1310-73-2 Present

**U.S. - New Jersey - Right to Know** Hazardous Substance **List**

Monoethanolamine 141-43-5 sn 0835

Sodium hydroxide 1310-73-2 sn1706

**U.S. - New York - Reporting of Releases** Part 597 **- List of Hazardous Substances**

Sodium hydroxide 1310-73-2 1000 Lb RQ (air); 100 Ib RQ (land/water)

**U.S. - Pennsylvania - RTK (Right to** Know) List

Monoethanolamine 141-43-5 Present

Sodium hydroxide 1310-73-2 Environmental hazard

**U.S. - Rhode Island - Hazardous Substance List**

Monoethanolamine 141-43-5 Toxic; Flammable

Sodium hydroxide 1310-73-2 Toxic (caustic); Flammable (caustic)

**Inventory status**

**Country(s) or region** Inventory name **On inventory (yes/no)\***

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

**Disclaimer** This product should only be used as directed on the label and for the purpose intended.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Further information** Professional EASY-OFF® Oven & Grill Cleaner Aerosol - 24oz - 367270 v4.0

**Issue date** 29-Feb-2012

**Effective date** Oi-Mar-2012

**Prepared by** Reckitt Bencklser Regulatory Department 800-333-3899

**Other information** For an updated MSDS, please contact the supplier/manufacturer listed on the first

page of the document.

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