



MATERIAL SAFETY DATA SHEET

According to US Regulation ANSI Z400.1-2004

Print date: 15-June-2009

1. PRODUCT AND COMPANY IDENTIFICATION

MSDS Number 364200PSDS

Commercial Product Name PROFESSIONAL EASY-OFF® HEAVY DUTY OVEN & GRILL CLEANER (AEROSOL)

Validation/Revision Date: 12-June-2009

Formula Number: FF367270- Lemon Scent

UPC Code(s) and Size: 62338 04250 (24 oz. Aerosol Can)

Product Description: Oven, grill and stainless steel cleaner.

Manufacturer: Reckitt Benckiser Inc.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225
Telephone: +1 973 404 2600

Emergency Telephone Number: 1-800-228-4722 (U.S)

Transportation Emergencies: 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Proportion (% w/w) | ACGIH - Occupational Exposure Limits - TWAs | OSHA PEL |
|---|--------------------|---|---|
| Sodium hydroxide 1310-73-2 | 1 - 5 % | - | TWA: 2 mg/m ³ |
| n-butane 106-97-8 | 1 - 5 % | = 1000 ppm TWA | TWA: 800 ppm |
| (2-(2-butoxyethoxy)ethanol) Diethylene glycol monobutyl ether 112-34-5 | 1 - 5 % | - | - |
| 2-aminoethanol 141-43-5 | 1 - 5 % | - | TWA: 3 ppm STEL: 15 mg/m ³ STEL: 6 ppm TWA: 6 mg/m ³ TWA: 3 ppm |

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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER:

CORROSIVE.

Contains Sodium hydroxide (Lye).

Will burn eyes and skin.

Harmful if swallowed

Avoid contact with skin, eyes, mucous membranes and clothing.

DO NOT ingest.

Use only with adequate ventilation.

Avoid breathing spray mist.

Wear long rubber gloves when using.

CONTENTS UNDER PRESSURE.

DO NOT puncture or incinerate container.

DO NOT expose to heat or store at temperatures above 120°F (50° C).

Never leave can on stove or near source of heat.

Avoid spraying on oven pilot light.

Keep of all electrical connections such as heating element, thermostat, bulb receptacles, and light switch.

Avoid Freezing.

KEEP OUT OF REACH OF CHILDREN

4. FIRST AID MEASURES

| | |
|---------------------------------------|---|
| Inhalation | Move to fresh air. If symptoms develop or persist, seek medical advice. |
| Skin Contact | 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. |
| Eye Contact | If in eyes, immediately 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. |
| Ingestion | Rinse mouth with water. If symptoms persist, call a physician or Poison Control Centre immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person. |
| Notes to Physician | Treat symptomatically |
| Protection of First-aiders | Use personal protective equipment. |
| Aggravated Medical Conditions: | 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 . |

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5. FIRE-FIGHTING MEASURES

| | | | |
|---|---|------------------------|-----------------------|
| Flash point: | Not applicable. Aerosol flame extension less than 18 inches (45 cm) | | |
| Flammability Limits in Air: | No information available. | | |
| Lower | No information available. | | |
| Upper | No information available. | | |
| Autoignition Temperature: | No information available. | | |
| Suitable Extinguishing Media: | As suitable for surrounding fire. | | |
| Extinguishing Media which must not be used for safety reasons: | No information available. | | |
| Specific hazards: | See Section 3, Hazard Identification. | | |
| Unusual hazards: | <p>CONTENTS UNDER PRESSURE. Do not puncture or incinerate. Exposure to temperatures above 120°F (50°C) may cause bursting. Do not use or store near heat or open flames. Aerosol cans may explode with extreme heat and become projectiles.</p> | | |
| Special Protective Equipment for Fire Fighters: | As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. | | |
| Precautions for Fire Fighters: | Standard procedure for chemical fires. Move aerosol containers away from fire if possible and safe to do so. Use water spray to cool fire exposed containers. Provide shielding to protect firefighters from venting, rupturing or bursting containers. | | |
| NFPA Aerosol Level: | Flammability Rating 1, per NFPA 30B. | | |
| NFPA: | Health Hazard: 3 | Flammability: 1 | Instability: 0 |
| HMIS: | Health Hazard: 3 | Flammability: 2 | Reactivity: 0 |
| Key: | (Also see Sections 3 & 8) Personal Protection Index = D. | | |

6. ACCIDENTAL RELEASE MEASURES

| | |
|-----------------------------------|--|
| Personal Precautions: | <p>Ensure adequate ventilation. Wear protective gloves/clothing and eye/face protection</p> |
| Environmental Precautions: | Do not allow material to contaminate ground water system. |
| Methods for Cleaning Up | <p>Wearing appropriate personal protective equipment; Soak up with inert absorbent material Keep in suitable and closed containers for disposal After cleaning, flush away traces with water Eliminate all ignition sources if safe to do so Large spills should be diked, contained and collected for later disposal according to local, provincial, state or federal regulations.</p> |

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7. HANDLING AND STORAGE

| | |
|-------------------------------------|---|
| Handling: | Ensure adequate ventilation |
| Safe Handling Advice: | Read and follow product label instructions. Avoid contact with skin, eyes and clothing and mucous membranes. Do not ingest. Do not breathe spray mist Wear personal protective equipment. Wash hands thoroughly after handling |
| Storage: | Protect from sunlight and store in well-ventilated place Keep away from open flames, hot surfaces and sources of ignition Keep from freezing Keep out of the reach of children. |
| Conditions for Safe Storage: | Contents under pressure. DO NOT puncture or incinerate. Keep at temperatures below 50 °C. |

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Read label instructions carefully.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

| Chemical Name | ACGIH TLV | OSHA PEL |
|--|---------------|---|
| Sodium hydroxide 1310-73-2 | | TWA: 2 mg/m ³ |
| n-butane 106-97-8 | TWA: 1000 ppm | TWA: 800 ppm |
| (2-(2-butoxyethoxy)ethanol) Diethylene glycol monobutyl ether 112-34-5 | | - |
| 2-aminoethanol 141-43-5 | STEL: 6 ppm | TWA: 3 ppm STEL: 15 mg/m ³ STEL: 6 ppm TWA: 6 mg/m ³ TWA: 3 ppm |

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Engineering Controls: For occupational exposures, ensure adequate ventilation.

Personal Protective Equipment

- Respiratory Protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required
Use only with adequate ventilation
- Hand Protection:** Rubber gloves
Long sleeved clothing
- Eye Protection:** Tightly fitting safety goggles.
- Skin and Body Protection:** Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow product label instructions.
- Hygiene Measures:** Avoid contact with skin, eyes and clothing.
Wash hands with soap and water after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical State:** Liquid.
- Appearance:** Aerosol
- Colour:** White
- Odour:** Lemon.
- pH** 13.3

- Flash Point:** Not applicable. Flame extension less than 18 inches or 45 cm
- Autoignition Temperature:** No information available.
- Specific gravity [g/mL]:** 1.052 @ 25°C (Concentrate)
- Vapour Pressure:** Not determined.
- Solubility:** > 95% @ 70°F

- Explosion limits:**
- upper: No information available.
- lower: No information available.

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10. STABILITY AND REACTIVITY

- Stability:** Stable under recommended storage conditions.
- Conditions to Avoid:** Avoid freezing.
Keep away from open flames, hot surfaces and sources of ignition
Avoid temperatures above 50 °C / 120 °F
- Materials to Avoid:** Incompatible with acids.
Oxidizing agents
Do not spray on pilot light, electrical connections, switches, heating elements, or thermostats.
Do not use on exterior oven surfaces, aluminum, chrome, baked enamel.
Do not use on self-cleaning or continuous cleaning ovens.
- Hazardous Decomposition Products:** Oxides of carbon and unknown organic compounds.
- Polymerization:** Hazardous polymerisation does not occur.

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11. TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY DATA

LD₅₀ Oral: No information available

LD₅₀ Dermal: No information available

LC₅₀ Inhalation (Dust): No information available

LC₅₀ Inhalation (Vapor): No information available

Acute Effects:

Eye Irritation Causes burns

Skin Irritation Causes burns

Inhalation None expected during normal use. However intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Ingestion Harmful if swallowed.

Sensitization Not expected to be a skin sensitiser.

Specific Effects

Carcinogenic Effects: Not listed as carcinogenic by OSHA, NTP or IARC.

Mutagenic Effects No information available.

Reproductive Toxicity: No information available.

Additional Toxicity Information: Information is based on available component data and toxicity result of similar products.

COMPONENT TOXICITY DATA

| Chemical Name | CAS# | LD50 Oral - With Units - Rat - mg/kg | LD50 Dermal - With Units - Rat/Rabbit - mg/kg | LC50 Inhalation - With units - Rat/Rabbit |
|---|----------|--------------------------------------|---|---|
| (2-(2-butoxyethoxy)ethanol) Diethylene glycol monobutyl ether | 112-34-5 | 3384 mg/kg (Rat) | | |
| 2-aminoethanol | 141-43-5 | 1720 mg/kg (Rat) | 1025 mg/kg (Rabbit) | |

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12. ECOLOGICAL INFORMATION

PRODUCT TOXICITY DATA

Aquatic toxicity: No information available

COMPONENT TOXICITY DATA

(2-(2-butoxyethoxy)ethanol) Diethylene glycol monobutyl ether
112-34-5 (1 - 5 %)

Water Flea EC50 > 100 mg/L 48 h

2-aminoethanol
141-43-5 (1 - 5 %)

Freshwater Fish LC50 = 227 mg/L Pimephales promelas 96 h
LC50 = 329.16 mg/L Lepomis macrochirus 96 h
LC50 = 3684 mg/L Brachydanio rerio 96 h

Microtox EC50 = 12200 mg/L 2 h
EC50 = 13.7 mg/L 30 min

Other Information

Ozone Depletion Potential (ODP) (R-11 = 1): No information available.
Global Warming Potential (GWP): No information available.

Additional Ecological Information: Information given is based on data on the components and the ecotoxicology of similar products.

13. DISPOSAL CONSIDERATION S

Waste from residues / unused products: Dispose of in accordance with local regulations.

Contaminated Packaging: Dispose of empty container in household trash.

Waste Disposal: Container disposal: Empty containers may be included with domestic refuse for disposal to a landfill. This container may also be recycled in communities where aerosol container recycling is available. Before offering for recycling, empty the can or use the product according to the label instructions.

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14. TRANSPORT INFORMATION

DOT

Proper shipping name: Aerosols
UN-No: UN 1950
Hazard Class 2.2 (8)
Subsidiary Class Not applicable
Packing group: Not applicable
Reportable Quantity (RQ): Not applicable
Description: UN 1950, Aerosols, Class 2.2 (8), Re-classed as Consumer Commodity ORM-D
 FORBIDDEN FROM AIR TRANSPORT
Emergency Response Guide No:126 / 171

TDG

Proper shipping name: Aerosols
UN-No: UN 1950
Packing group: Not applicable
Description: UN 1950 , Aerosols , Class 2.2 (8), Re-classed as Consumer Commodity/ Limited Quantity
 FORBIDDEN FROM AIR TRANSPORT

MEX

Not applicable.

ICAO

See IATA

IATA

UN-No: UN 1950
Proper shipping name: Aerosols, non-flammable, containing substances in Class 8, Packing Group II
Hazard Class 2.2
Subsidiary Class 8
Packing group: Not applicable
Description: Aerosols, non-flammable, containing substances in Class 8, Packing Group II, 2.2 (8)
Maximum quantity FORBIDDEN FROM AIR TRANSPORT

IMDG/IMO

Proper Shipping Name Aerosols
Hazard Class 2
Subsidiary Risk: 8
UN-No UN 1950
Packing Group Not applicable
IMDG Page: Not applicable.
Marine Pollutant Not applicable
EmS: F-D, S-U
MFAG: See Guide.
Maximum quantity: See DG List.
Description UN1950, Aerosols, Class 2.2, Limited Quantity

RID

Not applicable.

ADR

Not applicable.

ADN

Not applicable.

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15. REGULATORY INFORMATION

| Chemical Name | PICCS | TSCA | DSL | NDSL | ENCS | CHINA | AICS | EINECS/ ELINCS | South Africa STELs |
|--|-------|---------|-----|------|------|-------|------|-------------------|-----------------------|
| Sodium hydroxide | | | X | | X | X | X | 215-185-5 | |
| n-butane | | Present | X | | X | X | X | 203-448-7 | |
| (2-(2-butoxyethoxy)ethanol) Diethylene glycol monobutyl ether | | Present | X | | X | X | X | 203-961-6 | |
| 2-aminoethanol | | Present | X | | X | X | X | 205-483-3 | |

U.S. Regulations:
Sodium hydroxide - 1310-73-2

NJRTK Not Listed.
Appearance None.

n-butane - 106-97-8

NJRTK Not Listed.
Appearance None.

(2-(2-butoxyethoxy)ethanol) Diethylene glycol monobutyl ether - 112-34-5

NJRTK Not Listed.
Appearance None.

2-aminoethanol - 141-43-5

NJRTK Not Listed.
Appearance None.
SARA313 None

Chemical Name
California Prop. 65
Sodium hydroxide - 1310-73-2

Not Listed

n-butane - 106-97-8

Not Listed

(2-(2-butoxyethoxy)ethanol)

Not Listed

*Diethylene glycol monobutyl ether -
112-34-5*
2-aminoethanol - 141-43-5

Not Listed

WHMIS (Canada)
WHMIS Hazard Class

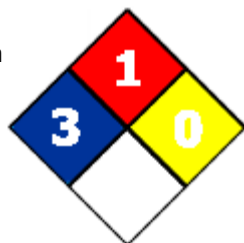
Class E : Corrosive Liquid

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16. OTHER INFORMATION

**National Fire
Protection Association
(U.S.A.):**



HMIS (U.S.A.):

| | |
|----------------------------|----------|
| Health Hazard | 3 |
| Fire Hazard | 2 |
| Reactivity | 0 |
| PERSONAL PROTECTION | D |

Note: NFPA Aerosol Level: Flammability rated as "1" per NFPA 30B.

- Reason for revision:** Update or revision of the PSDS.
- Additional advice:** This product should only be used as directed on the label and for the purpose intended.
- Prepared by:** Reviewed by Regulatory on 6/12/2009.

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.