



## MATERIAL SAFETY DATA SHEET

According to US Regulation ANSI Z400.1-2004

Print date: 28-Sep-2009

### 1. PRODUCT AND COMPANY IDENTIFICATION

**MSDS Number** D0234474

**Commercial Product Name** Easy-Off Fume Free Oven Cleaner

**Validation/Revision Date** 28-Sep-2009

**Formula Number:** 1557-070 (0233299) - Lemon Scent

**UPC Code(s) and Size:** 62338 82727 (16 oz. HDPE Blue Bottle with TS3V40 Blue Foaming Trigger)

**Recommended / Intended Use:** This product is an oven / stove-top 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

**Distributor:**  
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

**MATERIAL SAFETY DATA SHEET**

According to US Regulation ANSI Z400.1-2004

**2. HAZARDS IDENTIFICATION**
**Emergency Overview**

CAUTION!  
EYE IRRITANT!  
Contains Monoethanolamine.

**KEEP OUT OF REACH OF CHILDREN**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	Proportion (% w/w)	ACGIH - Occupational Exposure Limits - TWAs	OSHA PEL
(2-(2-butoxyethoxy)ethanol) Diethylene glycol monobutyl ether 112-34-5	5 - 10 %	-	-
Potassium Carbonate 584-08-7	5 - 10 %	-	-
2-aminoethanol 141-43-5	0.1 - 1 %	-	TWA: 3 ppm STEL: 15 mg/m <sup>3</sup> STEL: 6 ppm TWA: 6 mg/m <sup>3</sup> TWA: 3 ppm

**4. FIRST AID MEASURES**

<b>Inhalation</b>	Move to fresh air
<b>Skin Contact</b>	Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation persists, get medical attention.
<b>Ingestion</b>	Rinse mouth with water. Drink plenty of water. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician or Poison Control Centre immediately.
<b>Notes to Physician</b>	Treat symptomatically
<b>Protection of First-aiders</b>	Use personal protective equipment.
<b>Aggravated Medical Conditions:</b>	No information available.

**MATERIAL SAFETY DATA SHEET**

According to US Regulation ANSI Z400.1-2004

**5. FIRE-FIGHTING MEASURES**

<b>Flash point:</b>	> 200°F (> 93.3°C)
<b>Suitable Extinguishing Media:</b>	As suitable for surrounding fire.
<b>Extinguishing media which must not be used for safety reasons:</b>	No information available
<b>Specific hazards:</b>	None known.
<b>Unusual hazards:</b>	None known.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Precautions for fire-fighting</b>	Standard procedure for chemical fires.

<b>NFPA:</b>	<b>Health Hazard: 1</b>	<b>Flammability: 0</b>	<b>Physical Hazard: 0</b>	
<b>HMIS:</b>	<b>Health Hazard: 1</b>	<b>Flammability: 0</b>	<b>Physical Hazard: 0</b>	<b>Personal Protection: A</b>

**Key:** (Also see Sections 3 & 8)

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions:</b>	Ensure adequate ventilation. Avoid contact with eyes
<b>Environmental Precautions:</b>	Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.
<b>Methods for Cleaning Up:</b>	Small spills: Wearing appropriate protective equipment, soak up with an inert absorbent material and dispose of in an appropriate waste container. Rinse surface residue and flush to sink or sanitary sewer.  Large spills should be diked, contained and collected for later disposal according to local, provincial, state or federal regulations.
<b>Methods for Containment:</b>	Prevent further leakage or spillage if safe to do so

**MATERIAL SAFETY DATA SHEET**

According to US Regulation ANSI Z400.1-2004

**7. HANDLING AND STORAGE**

- Handling:** Read and follow product label instructions.  
 Ensure adequate ventilation  
 Avoid contact with eyes  
 Wash hands after handling  
 DO NOT mix with bleach or other household cleaning products.  
 For surfaces that come in contact with food: Use only on hard non-porous surfaces and rinse thoroughly with water.
- Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place.  
 KEEP OUT OF REACH OF CHILDREN

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Name	ACGIH TLV	OSHA PEL
(2-(2-butoxyethoxy)ethanol) Diethylene glycol monobutyl ether 112-34-5	-	-
Potassium Carbonate 584-08-7	-	-
2-aminoethanol 141-43-5	STEL: 6 ppm	TWA: 3 ppm STEL: 15 mg/m <sup>3</sup> STEL: 6 ppm TWA: 6 mg/m <sup>3</sup> TWA: 3 ppm

- Engineering Controls:** For occupational exposures, ensure adequate ventilation.
- Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained
- Personal Protective Equipment**
- Respiratory Protection:** None required under normal usage.  
 Maintain adequate ventilation
- Eye/Face Protection:** Avoid contact with eyes  
 If splashes are likely to occur, wear:  
 Safety glasses with side-shields
- Hand Protection:** For prolonged or repeated contact use protective gloves
- 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:** Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

**MATERIAL SAFETY DATA SHEET**

According to US Regulation ANSI Z400.1-2004

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid.
<b>Appearance:</b>	Clear liquid
<b>Colour:</b>	Colorless.
<b>Odour:</b>	Lemon.
<b>pH</b>	12.5
<b>Flash Point:</b>	> 93.3°C / > 200°F
<b>Flammability Limits in Air:</b>	No information available
<b>Autoignition Temperature:</b>	No information available.
<b>Specific Gravity / Density [g/mL]:</b>	1.05
<b>Vapour Pressure:</b>	Not determined.
<b>Solubility:</b>	Water solubility: completely soluble. > 95% @ 70°F
<b>Explosion limits:</b>	No data available

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid:</b>	Store away from excessive heat and moisture
<b>Materials to Avoid:</b>	Incompatible with acids. Do not mix with other household chemicals
<b>Hazardous Decomposition Products:</b>	Oxides of carbon and unknown organic compounds.
<b>Polymerization:</b>	Hazardous polymerization does not occur.

**MATERIAL SAFETY DATA SHEET**

According to US Regulation ANSI Z400.1-2004

**11. TOXICOLOGICAL INFORMATION**
**PRODUCT TOXICITY DATA**
**LD<sub>50</sub> Oral:** No information available

**LD<sub>50</sub> Dermal:** No information available

**LC<sub>50</sub> Inhalation (Dust):** No information available

**LC<sub>50</sub> Inhalation (Vapor):** No information available

**ACUTE EFFECTS::**
**Eye Irritation** Moderate eye irritation

**Skin Irritation** None expected during normal conditions of use.

**Inhalation** None expected during normal conditions of use.

**Ingestion** Health injuries are not known or expected under normal use.  
See Section 4 for First Aid instructions.

**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-No	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 )	2700 mg/kg ( Rabbit )	
Potassium Carbonate	584-08-7	1870 mg/kg ( Rat )	1.87 mg/kg ( Rat )	
2-aminoethanol	141-43-5	1720 mg/kg ( Rat )	1 mL/kg ( Rabbit )	

**MATERIAL SAFETY DATA SHEET**

According to US Regulation ANSI Z400.1-2004

**12. ECOLOGICAL INFORMATION****PRODUCT TOXICITY DATA****Ecotoxicity effects****Aquatic toxicity:** No information available**COMPONENT TOXICITY DATA***(2-(2-butoxyethoxy)ethanol) Diethylene glycol monobutyl ether*  
112-34-5 (5 - 10 %)**Water Flea** EC50 > 100 mg/L 48 h*2-aminoethanol*  
141-43-5 (0.1 - 1 %)**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;** No information available.  
**(R-11 = 1)****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 CONSIDERATIONS****Waste from residues / unused products:** Dispose of in accordance with local regulations.**Contaminated Packaging:** Empty container can be disposed of as household trash or rinsed and recycled where appropriate.**Waste Disposal:** Dispose of according to Local, State, Provincial and / or Federal regulations.

**MATERIAL SAFETY DATA SHEET**

According to US Regulation ANSI Z400.1-2004

**14. TRANSPORT INFORMATION**

**General remarks** For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

**DOT**

**Proper shipping name:** Consumer Commodity  
**Hazard Class** Not applicable  
**Subsidiary Class** Not applicable  
**Packing group:** Not applicable  
**Reportable Quantity (RQ):** Not applicable  
**Description:** UN 3267 Corrosive Liquid, Basic, Organic, N.O.S.(Monoethanolamine),8, PG III Limited Quantity.  
 Re-classed as Consumer Commodity ORM-D  
**Emergency Response Guide No:**171

**TDG**

**Proper shipping name:** Consumer Commodity/ Limited Quantity/ LTD. QTY  
**Subsidiary Class** Not applicable  
**Packing group:** Not applicable  
**Description:** UN 3267 Corrosive Liquid, Basic, Organic, N.O.S.(Monoethanolamine),8, PG III Limited Quantity.  
 Re-classed as Consumer Commodity / Limited Quantity

**MEX**

Not applicable.

**ICAO**

See IATA

**IATA**

**UN-No:** Un 3267  
**Proper shipping name:** Corrosive liquid, basic, organic, n.o.s (Monoethanolamine)  
**Hazard Class** 8  
**Subsidiary Class** Not applicable  
**Packing group:** II  
**Description:** UN 3267 Corrosive Liquid, Basic, Organic, N.O.S.(Monoethanolamine),8, PG III.  
**Maximum quantity** See DG List.

**IMDG/IMO**

**Proper Shipping Name** Corrosive liquid, basic, organic, n.o.s (Monoethanolamine)  
**Hazard Class** 8  
**Subsidiary Risk:** Not applicable  
**UN-No** UN 3267  
**Packing Group** II  
**IMDG Page:** Not applicable  
**Marine Pollutant** Not applicable  
**EmS:** F-A, S-B  
**MFAG:** See Guide.  
**Maximum quantity:** See IMDG Code.  
**Description:** UN 3267 Corrosive Liquid, Basic, Organic, N.O.S.(Monoethanolamine),8, PG III Limited Quantity.

**RID**

Not applicable.

**ADR**

Not applicable.

**ADN**

Not applicable.



**MATERIAL SAFETY DATA SHEET**  
According to US Regulation ANSI Z400.1-2004

**15. REGULATORY INFORMATION**

Chemical Name	PICCS	TSCA	DSL	NDSL	ENCS	CHINA	AICS	EINECS/ ELINCS	South Africa STELs
(2-(2-butoxyethoxy)ethanol) Diethylene glycol monobutyl ether		Present	X		X	X	X	203-961-6	
Potassium Carbonate		Present	X		X	X	X	209-529-3	
2-aminoethanol		Present	X		X	X	X	205-483-3	

**U.S. Regulations:**

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

**NJRTK** Not Listed.  
**Appearance** Colorless liquid  
**SARA313** None  
**California Prop. 65** Not Listed

*Potassium Carbonate - 584-08-7*

**NJRTK** Not Listed.  
**Appearance** White, granular translucent powder.  
**SARA313** None  
**California Prop. 65** Not Listed

*2-aminoethanol - 141-43-5*

**NJRTK** Not Listed.  
**Appearance** Colorless, viscous liquid  
**SARA313** None  
**California Prop. 65** Not Listed

**WHMIS (Canada)**

**WHMIS Hazard Class** Not determined

**MATERIAL SAFETY DATA SHEET**

According to US Regulation ANSI Z400.1-2004

**16. OTHER INFORMATION**

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



HMIS (U.S.A.):

Health Hazard	1
Flammability:	0
Physical hazards	0
<b>PERSONAL PROTECTION</b>	<b>A</b>

**Reason for revision:** Not relevant

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

**Prepared by:** Reckitt Benckiser (U.S.) Inc.  
Product Safety Department  
1 Philips Parkway  
Montvale, New Jersey 07646-1810 USA.  
FAX: 201-476-7770

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.