



Reckitt Benckiser

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 ³ STEL: 6 ppm TWA: 6 mg/m ³ TWA: 3 ppm

4. FIRST AID MEASURES

Inhalation	Move to fresh air
Skin Contact	Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.
Eye Contact	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.
Ingestion	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.
Notes to Physician	Treat symptomatically
Protection of First-aiders	Use personal protective equipment.
Aggravated Medical Conditions:	No information available.

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

5. FIRE-FIGHTING MEASURES

Flash point: > 200°F (> 93.3°C)

Suitable Extinguishing Media: As suitable for surrounding fire.

Extinguishing media which must not be used for safety reasons: No information available

Specific hazards: None known.

Unusual hazards: None known.

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-fighting Standard procedure for chemical fires.

NFPA: Health Hazard: 1 Flammability: 0 Physical Hazard: 0

HMIS: Health Hazard: 1 Flammability: 0 Physical Hazard: 0 Personal Protection: A

Key: (Also see Sections 3 & 8)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ensure adequate ventilation.
Avoid contact with eyes

Environmental Precautions: Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.

Methods for Cleaning Up: 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.

Methods for Containment: 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 ³ STEL: 6 ppm TWA: 6 mg/m ³ 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

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

10. STABILITY AND REACTIVITY

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

MATERIAL SAFETY DATA SHEET

According to US Regulation ANSI Z400.1-2004

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 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 sensitizer.

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 FishLC50 = 227 mg/L *Pimephales promelas* 96 hLC50 = 329.16 mg/L *Lepomis macrochirus* 96 hLC50 = 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 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	ENECS/ 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

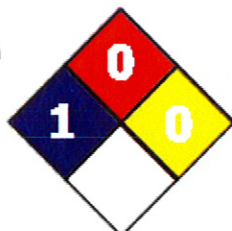
WHMIS (Canada)

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
PERSONAL PROTECTION	A

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.