

# RECKITT BENCKISER

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0

## PRODUCT SAFETY DATA SHEET

Print date: 17 Aug 2005

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Item Number / Product code:** 0043175

**Product name:** EASY-OFF® BAM® POWER DEGREASER, TRIGGER SPRAY, (LIQUID)

**Validation / Revision Date:** 17 Aug 2005

**EPA Identifier:** Not applicable.

**Formula Number:** 1022-132 (0043175) U.S.

**UPC Number and Size:** 62338-78057 (709 ml. Trigger spray)

**Product Description:** Trigger spray liquid degreaser.

**Manufacturer:** Reckitt Benckiser North America, Inc.  
Morris Corporate Center IV  
399 Interpace Parkway (P.O. Box 225)  
Parsippany, New Jersey 07054-0225

**Emergency telephone number:** 1-800-228-4722 (U.S.)

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

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Components:**  
LAURYLDIMETHAMINEOXIDE30%  
1643-20-5  
MONOETHANOLAMINE  
141-43-5

Wt %	ACGIH:	OSHA:
1-5	None	None
0-1	TWA (TLV): 3 ppm @10 STEL: 6 ppm @10	TWA (PEL): 3 ppm @10 TWA (PEL): 6 mg/m <sup>3</sup> @10

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

##### CAUTION:

May cause eye irritation.

DO NOT get in eyes.

May be harmful if swallowed.

If swallowed, seek medical advice immediately and show the container or label.

#### KEEP OUT OF REACH OF CHILDREN

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air.
<b>Skin contact:</b>	Wash with soap and water.
<b>Eye contact:</b>	In case of eye contact, hold eyes open and IMMEDIATELY rinse eyes thoroughly with plenty of water. Remove any contact lenses and continue rinsing for at least 15 minutes. If irritation persists, consult a physician.
<b>Ingestion:</b>	If swallowed, DO NOT INDUCE VOMITING. Call a Physician or Poison Control Center immediately. Never give an unconscious person anything to ingest. Contains monoethanolamine.
<b>Notes to physician:</b>	Contains monoethanolamine. Contains surfactants. Contains Perfume.
<b>Aggravated Medical Conditions:</b>	None known.

### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	CLOSED CUP: Higher than 93.3° C (>200° F). [Tagliabue]
<b>Flammability Limits in Air:</b>	
<b>Lower:</b>	No information available.
<b>Upper:</b>	No information available.
<b>Autoignition temperature:</b>	No information available.
<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>	Not applicable.
<b>Unusual hazards:</b>	None known.
<b>Special protective equipment for firefighters:</b>	As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear.
<b>Specific methods:</b>	Standard procedure for chemical fires.

**NFPA:** Health: 1 Flammability: 0 Instability: 0

**HMS:** Health: 1 Flammability: 0 Reactivity: 0

**Key:** Personal Protection Index = A. (Also see Section 3)

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation.

**Environmental precautions:** No special environmental precautions required.

**Methods for cleaning up:** Small amounts:  
Soak up with inert absorbent material.

Large spills should be diked, contained and collected for later disposal according to local, provincial, state or federal regulations.

## 7. HANDLING AND STORAGE

**Handling:** This product is intended as a surface spray sanitizer to be applied to food contact surfaces as a trigger spray and wiped off without rinsing. Allow surface to dry thoroughly before use.  
No special technical protective measures required.  
Avoid contact with eyes, skin and clothing.  
Wash hands after handling.

**Safe handling advice:** Avoid all direct contact with the product, wear suitable eye / face and skin protection.

**Storage:** Store at room temperature in the original container.  
KEEP OUT OF REACH OF CHILDREN

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:** For occupational exposures, ensure adequate ventilation.

### Personal Protective Equipment

**Respiratory protection:** No personal respiratory protective equipment normally required.  
Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.

**Hand protection:** If exposure is likely to be prolonged wear impervious gloves.  
Emergency responders should wear impermeable gloves.  
None required under normal use conditions.

**Skin and body protection:** None required under normal recommended use conditions.

**Eye protection:** None required under recommended product use.  
If splashes are likely to occur, wear:  
Appropriate eye protection such as: Safety glasses with side shields, chemical goggles or full face shield for occupational exposures.  
Emergency responders should wear full eye and face protection.

**Hygiene measures:** Avoid contact with skin, eyes and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid.
Appearance:	Clear liquid.
Colour:	Yellow
Odour:	Lemon.
pH:	10.5 - 11.3 [Alkaline.]
Flash point:	Greater than 93° C (>200° F)
Specific gravity:	1.0 (Concentrate)
Vapour pressure:	Not determined.
Solubility:	Completely soluble.

### Explosion limits.

- upper:	No data available.
- lower:	No data available.

## 10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Polymerization:	Hazardous polymerisation does not occur.
Hazardous decomposition products:	Oxides of carbon and unknown organic compounds.
Materials to avoid:	None known.
Conditions to avoid:	Store away from excessive heat and moisture.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

### Component Information

### Product Information

LC50/inhalation/4h/rat =	No information available.
LD50/dermal/rabbit =	No information available.
LD50/oral/rat =	No information available.

### Local effects

Skin irritation:	None expected during normal conditions of use.
Eye irritation:	None expected during normal use. May cause eye irritation upon direct contact with eyes.
Inhalation	None expected during normal conditions of use.
Ingestion	Health injuries are not known or expected under normal use.
Sensitization	Not expected to be a skin sensitiser.
Chronic toxicity:	No information available.

### Specific effects

Carcinogenic effects:	No information available.
Mutagenic effects:	No information available.

Reproductive toxicity: No information available.

Target organ effects: No information available.

Information is based on data on the components and the toxicology of similar products.

## 12. ECOLOGICAL INFORMATION

### Product Information

Aquatic toxicity: No information available.

### Component Information

#### MONOETHANOLAMINE

Ecotoxicity: = 13.7 mg/L EC50 Photobacterium phosphoreum  
= 170.0 mg/L LC50 goldfish  
= 2070 mg/L LC50 fathead minnow flow-through

### Other information

Ozone depletion potential; ODP; (R-11 = 1) = No information available.  
Global warming potential (GWP) = No information available.

## 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.

## 14. TRANSPORT INFORMATION

UN / Id No: Not applicable  
DOT: *(file not found c:\wercs\Flamliq.wmf)*

Classification: Not a DOT regulated material. (United States)  
Proper shipping name: Not applicable.  
U.S. DOT - Hazard Class: Not applicable.  
Subsidiary risk: Not applicable.  
Packing Group: Not applicable.  
DOT RQ (lbs): Not applicable  
ERG No: Not applicable.

### TDG (Canada):

Classification: Not regulated under TDG  
Proper shipping name: Not applicable  
Status: Not applicable.  
Packing Group: Not applicable.

### IMDG / IMO

Classification: Not regulated under IMDG  
Proper shipping name: Not applicable  
Class: Not applicable.  
Subsidiary Risk: Not applicable.  
Packing group: Not applicable.  
IMDG page: Not applicable  
Marine pollutant: Not applicable  
EMS: Not applicable.  
MFAG: See Guide.

**ADR / RID**

**Classification:** Not applicable.  
**Proper shipping name:** Not applicable.  
**Class:** Not applicable.  
**Subsidiary risk:** Not applicable.  
**Packing Group:** Not applicable.  
**ADR/RID-labels:** Not applicable.  
**HIN:** Not applicable.  
**CEFIC Tremcard No:** Not applicable.

**ICAO / IATA:**

**Classification:** Not regulated under ICAO / IATA  
**Proper shipping name:** Not applicable.  
**Class:** Not applicable.  
**Subsidiary Risk:** Not applicable  
**Packing Group:** Not applicable.  
**Maximum quantity** Not applicable

<b>15. REGULATORY INFORMATION</b>
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Components:	PICCS:	TSCA:	DSL:	NDSL:	ENCS:	CHINA:	AICS:	EINECS-No
LAURYL DIMETHAMINE OXIDE 30%	*REQUIRED BUT MISSING*					Present	Present	216-700-6
MONOETHANOLAMINE	*REQUIRED BUT MISSING*					Present	Present	205-483-3

**Canada**

**WHMIS hazard class:** Not determined.

<b>16. OTHER INFORMATION</b>
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**National Fire Protection Association (U.S.A.):**



**HMIS (U.S.A.):**

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	A

**Reason for revision:** This is a new product.

**Additional advice:** Consult your supplier if the material is to be used for special applications such as in the food industry or for hygiene, medical or surgical end-use.

**Prepared by:** Product Safety Department.

**Disclaimer:**

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.

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF ECONOMICS  
Lecture Notes in Economics and Mathematical Statistics  
Lecture 1: Introduction to Economic Theory

1.1. The Economic Problem  
1.2. Production Possibilities Frontier  
1.3. Consumer Choice and Utility

1.4. Market Equilibrium  
1.5. Welfare Economics

1.6. Summary  
1.7. Further Reading