



# PRODUCT SAFETY DATA SHEET

Print date: 30 May 2006

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Item Number / Product code:** 62338-78056 (1174-034)

**Product name:** EASY-OFF® BAM GRIME & LIME REMOVER (TRIGGER) - CANADIAN

**Validation / Revision Date:** 30 May 2006

**EPA Identifier:** Not applicable.

**Formula Number:** 1174-034 (0046258)

**UPC Number and Size:** 62338-78056 (24 oz.) Trigger.

**Product Description:** Trigger spray lime and grime remover.

**Manufacturer:** Reckitt Benckiser, Inc.  
2 Wickman Road  
Toronto, Ontario M8Z 5M5 CANADA

**Emergency telephone number:** 800-888-0192 (Canada)

**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:**  
SURFACTANT - ANIONIC  
N/A, MIXTURE  
SULFAMIC ACID 99.5%  
5329-14-6

Wt %	ACGIH:	OSHA:
1-5	None	None
5-10	None	None

## 3. HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW

### DANGER:

CORROSIVE TO EYES AND SKIN!

CAUSES EYE AND SKIN DAMAGE!

HARMFUL IF SWALLOWED!

VAPOR MAY BE HARMFUL!

DO NOT get in eyes, on skin or on clothing.

DO NOT ingest.

DO NOT breathe vapor or mist.

DO NOT mix with bleach or other household chemicals as harmful fumes may result.

Use in a well ventilated area.

Wear rubber gloves and eye protection.

Contains sulfamic acid.

## KEEP OUT OF REACH OF CHILDREN

## 4. FIRST AID MEASURES

<b>Inhalation:</b>	If inhaled, move to fresh air. If irritation occurs or persists, get medical attention.
<b>Skin contact:</b>	If on skin, IMMEDIATELY wash with soap and water. Get IMMEDIATE medical attention!
<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. Get IMMEDIATE medical attention!
<b>Ingestion:</b>	If swallowed, DO NOT INDUCE VOMITING. Drink a large quantity of water. Call a Physician or Poison Control Center immediately. Never give an unconscious person anything to ingest. Show the container or product label to the medical personnel.
<b>Notes to physician:</b>	Contains sulfamic acid.
<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>	Water spray. and As suitable for surrounding fire.
<b>Extinguishing media which must not be used for safety reasons:</b>	No information available.
<b>Specific hazards:</b>	CORROSIVE! Contains sulfamic acid.
<b>Unusual hazards:</b>	Do not mix with chlorine bleach, strong alkali materials or other household chemicals.
<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.

**Specific methods:**

Standard procedure for chemical fires.

**NFPA:** Health: 3

**Flammability:** 0

**Instability:** 0

**HMIS:** Health: 3

**Flammability:** 0

**Reactivity:** 0

**Key:**

Personal Protection Index = D.  
(Also see Section 3)

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Ensure adequate ventilation.

**Environmental precautions:**

Do not allow material to contaminate ground water system.

**Methods for cleaning up:**

Wear personal protective equipment.  
Small spills: Soak up with absorbent material and dispose of in an appropriate waste container.  
Rinse surface with water to remove any residue.  
Large spills should be diked, contained and collected for later disposal according to local, provincial, state or federal regulations.

## 7. HANDLING AND STORAGE

**Handling:**

DANGER!  
CORROSIVE TO EYES AND SKIN!  
Ensure adequate ventilation.

**Safe handling advice:**

Avoid all direct contact with the product, wear suitable eye / face and skin protection.  
Do not mix with acids, or other household products.

**Storage:**

Keep locked-up.  
Keep container tightly closed.  
Store in original container in areas inaccessible to small children and pets.  
KEEP OUT OF REACH OF CHILDREN

**Incompatible products:**

Do not mix with chlorine bleach, strong alkali materials or other household chemicals.

## 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.  
Use in a well-ventilated area.  
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:**

CORROSIVE TO SKIN!  
Avoid contact with the skin.  
Wear suitable gloves, read label instructions carefully.  
Emergency responders should wear impermeable gloves.

<b>Skin and body protection:</b>	In case of continuous exposure or occupational operations, wear lightweight protective clothing. Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the product that has been dissolved in liquid (such as a fire scene) is possible.
<b>Eye protection:</b>	<b>CORROSIVE TO EYES!</b> Avoid contact with eyes. Wear appropriate eye protection. Read product label instructions carefully. Emergency responders should wear full eye and face protection.
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing. Wash hands with soap and water after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Clear. Viscous liquid.
<b>Appearance:</b>	Liquid.
<b>Colour:</b>	Light pink. to Violet.
<b>Odour:</b>	Floral.
<b>pH:</b>	0.8 [Strongly acidic]
<b>Flash point:</b>	Greater than 93° C (>200° F)
<b>Specific gravity:</b>	1.15
<b>Vapour pressure:</b>	Not determined.
<b>Solubility:</b>	Completely soluble.

### Explosion limits:

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

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Polymerization:</b>	Hazardous polymerisation does not occur.
<b>Hazardous decomposition products:</b>	Oxides of carbon and unknown organic compounds.
<b>Materials to avoid:</b>	Do not mix with chlorine bleach and strong alkali compounds.
<b>Conditions to avoid:</b>	Store away from excessive heat and moisture.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Component Information:

#### Product Information

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

#### Local effects

<b>Skin irritation:</b>	Corrosive liquid. Avoid skin contact.
<b>Eye irritation:</b>	Corrosive to the eyes and may cause severe damage including blindness.

**Inhalation** May cause irritation of respiratory tract.

**Ingestion** May be harmful or fatal if swallowed. See Section 4 for First Aid Instructions.

**Sensitization** Not expected to be a skin sensitiser.

**Chronic toxicity:** No information available.

**Specific effects**

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

<b>Components:</b>	<b>NTP:</b>	<b>IARC:</b>	<b>OSHA:</b>	<b>Mexico:</b>
SULFAMIC ACID 99.5%	No	No		

**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:** Because of pH change (Lower) when in water the possibility of danger to aquatic life exists.

**Component Information:**

**Other information:**

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

**Additional ecological information:** Bulk quantities, if spilled, would be toxic to fish, birds and mammals. Control and clean up all exterior spills and prevent liquid from entering any streams, rivers, lakes and all other bodies of water.

**13. DISPOSAL CONSIDERATIONS**

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

**Contaminated packaging:** Packaging and container to be recycled only if emptied completely!

**Waste Disposal:** Wear appropriate personal protective equipment when cleaning or handling waste material. Small quantities of waste liquid may be discharged into a sanitary sewer. Discard any absorbed material in trash collection. Rinse empty container thoroughly and discard in trash or recycle.  
 Large quantities of waste liquid: Contain and collect for evaluation and disposal according to local, state, provincial and federal regulations.

**14. TRANSPORT INFORMATION**

**UN / Id No:** UN 3264

**DOT:**

**Classification:** UN 3264 - Corrosive Liquid, Acidic, Inorganic, N.O.S. (Sulfamic Acid), Class 8, Packing Group II, Limited Quantity.  
 Re-Classed as Consumer Commodity ORM-D.

**Proper shipping name:** Consumer Commodity

**U.S. DOT - Hazard Class:** Not applicable.

**Subsidiary risk:** Not applicable.

**Packing Group:** Not applicable.

**DOT RQ (lbs):** Not applicable.

**ERG No:** ERG 171

**TDG (Canada):**

**Classification:** UN 3264 - Corrosive Liquid, Acidic, Inorganic, N.O.S. (Sulfamic Acid), Class 8, Packing Group II, Limited Quantity.  
 Re-Classed as Consumer Commodity ORM-D.

**Proper shipping name:** Not applicable.

**Status:** Not applicable.

**Packing Group:** II

**WHMIS hazard class:** E Corrosive material

**IMDG / IMO**

**Classification:** UN 3264 - Corrosive Liquid, Acidic, Inorganic, N.O.S. (Sulfamic Acid), Class 8, Packing Group II, Limited Quantity.

**Proper shipping name:** Corrosive Liquid, Acidic, Inorganic, N.O.S. (Sulfamic Acid)

**Class:** 8

**Subsidiary Risk:** Not applicable.

**Packing group:** II

**IMDG page:** See DG List.

**Marine pollutant:** Not applicable.

**EMS:** F-A / S-B

**MFAG:** Not applicable.

**Maximum quantity:** See DG List.

**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

**Hazard Identification Number:** Not applicable.

**CEFIC Trencard No:** Not applicable.

**ICAO / IATA:**

**Classification:** UN 3264 - Corrosive Liquid, Acidic, Inorganic, N.O.S. (Sulfamic Acid), Class 8, Packing Group II.

**Proper shipping name:** Corrosive Liquid, Acidic, Inorganic, N.O.S. (Sulfamic Acid).

**Class:** 8

**Subsidiary Risk:** Not applicable

**Packing Group:** II

**Maximum quantity:** See DG List.

**15. REGULATORY INFORMATION**

Components:	PICCS:	TSCA:	DSL:	NDSL:	ENCS:	CHINA:	AICS:	EINECS-No
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SULFAMIC ACID 99.5%		Present	Present		Present	Present	226-218-8
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**U.S. Regulations:**

**Components:** SURFACTANT - ANIONIC - N/A, MIXTURE  
**California Proposition 65 -** None.  
**Components:** SULFAMIC ACID 99.5% - 5329-14-6  
**California Proposition 65 -** None.

**Canada**

**WHMIS hazard class:** E Corrosive material

**16. OTHER INFORMATION**

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



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

<b>Health Hazard</b>	<b>3</b>
<b>Fire Hazard</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>D</b>

**Reason for revision:** This is a new formulation of an existing product.

**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.  
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