



PRODUCT SAFETY DATA SHEET

Print date: 30 May 2006

1. PRODUCT AND COMPANY IDENTIFICATION

Item Number / Product code: 0046258 (1174-034)

Product name: EASY-OFF® BAM GRIME & LIME REMOVER

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 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:
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

Inhalation:	If inhaled, move to fresh air. If irritation occurs or persists, get medical attention.
Skin contact:	If on skin, IMMEDIATELY wash with soap and water. Get IMMEDIATE medical attention!
Eye contact:	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!
Ingestion:	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.
Notes to physician:	Contains sulfamic acid.
Aggravated Medical Conditions:	None known.

5. FIRE-FIGHTING MEASURES

Flash point:	CLOSED CUP: Higher than 93.3° C (>200° F). [Tagliabue]
Flammability Limits in Air:	
Lower:	No information available.
Upper:	No information available.
Autoignition temperature:	No information available.
Suitable extinguishing media:	Water spray. and As suitable for surrounding fire.
Extinguishing media which must not be used for safety reasons:	No information available.
Specific hazards:	CORROSIVE! Contains sulfamic acid.
Unusual hazards:	Do not mix with chlorine bleach, strong alkali materials or other household chemicals.
Special protective equipment for firefighters:	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.

Skin and body protection:	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.
Eye protection:	CORROSIVE TO EYES! Avoid contact with eyes. Wear appropriate eye protection. Read product label instructions carefully. Emergency responders should wear full eye and face protection.
Hygiene measures:	Avoid contact with skin, eyes and clothing. Wash hands with soap and water after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Clear. Viscous liquid.
Appearance:	Liquid.
Colour:	Light pink. to Violet.
Odour:	Floral.
pH:	0.8 [Strongly acidic]
Flash point:	Greater than 93° C (>200° F)
Specific gravity:	1.15
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:	Do not mix with chlorine bleach and strong alkali compounds.
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:	Corrosive liquid. Avoid skin contact.
Eye irritation:	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.

Components:	NTP:	IARC:	OSHA:	Mexico:
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: II

DOT RQ (lbs): Not applicable.

ERG No: ERG 171

TDG (Canada):

Classification: Not applicable.

Proper shipping name: Not applicable.

Status: Not applicable.

Packing Group: Not applicable.

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 Tremcard 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
SULFAMIC ACID 99.5%		Present	Present			Present	Present	226-218-8

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.):

Health Hazard	3
Fire Hazard	0
Reactivity	0
Personal Protection	D

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.
Product Safety Department
1 Philips Parkway
Montvale, New Jersey 07646-1810 USA.
Phone: 201-573-6391
FAX: 201-476-7770.

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