



PRODUCT SAFETY DATA SHEET

Print date: 06 Sep 2007

1. PRODUCT AND COMPANY IDENTIFICATION

Item Number / Product code: 0129199

Product name: EASY-OFF® BAM MULTI-SURFACE POWER CLEANER (TRIGGER)

Validation / Revision Date: 06 September 2007

Formula Number: 1174-021 (0129199)

UPC Number and Size: 24 fl. oz. plastic containers, CRC Trigger.

Product Description: Bathroom and Household Cleaner.

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:

SULFAMIC ACID 99.5%

5329-14-6

FORMIC ACID, 85%

64-18-6

ETHOXYLATED ALCOHOL

68439-46-3

ALKYL POLYETHYLENE GLYCOL ETHERS

(C10)

N/A, MIXTURE

Wt %	ACGIH:	OSHA:
1-5	None	None
1-3	STEL: 10 ppm @10 TWA (TLV): 5 ppm @10	TWA (PEL): 5 ppm @10 TWA (PEL): 9 mg/m ³ @10
0-0.5	None	None
1-5	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: CORROSIVE!

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.

Use in a well ventilated area.

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

Contains sulfamic and formic acids.

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 glass of water and IMMEDIATELY call a Physician or Poison Control Center. Never give an unconscious person anything to ingest.
Notes to physician:	Contains Sulfamic Acid. Contains Formic Acid.
Aggravated Medical Conditions:	No information available.

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:	As suitable for surrounding fire.
Extinguishing media which must not be used for safety reasons:	No information available.
Specific hazards:	Contains sulfamic acid. Contains formic acid. See Section 3, Hazards Identification.
Unusual hazards:	None known
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 Sections 3 & 8)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	DANGER: CORROSIVE! Avoid contact with eyes, skin and clothing. For clean-up of any quantity spill, wear appropriate skin and eye / face protection. Wear additional appropriate personal protective equipment, such as acid chemical boots, apron or full protective clothing as necessary. Ensure adequate ventilation.
Environmental precautions:	Local authorities should be advised if significant spillages cannot be contained.
Methods for cleaning up:	When performing the required clean-up operation, wear the appropriate personal protective equipment such as impervious gloves and eye / face protection. Wear additional appropriate personal protective equipment, such as acid chemical boots, apron or full protective clothing as necessary. Small spills: Dilute with water and mop up, or absorb with an inert material and place in an appropriate waste disposal container. Large spills: Contain and collect for later disposal according to local, provincial, state or federal regulations.

7. HANDLING AND STORAGE

Handling:	Use with adequate ventilation.
Safe handling advice:	DANGER. CORROSIVE! Causes eye and skin damage. Avoid contact with eyes, skin and clothing. HARMFUL IF SWALLOWED! VAPOR MAY BE HARMFUL!
Storage:	Keep away from food items and potable (drinking) water supplies. Store containers in an upright position in a cool, dry area, inaccessible to small children and pets.

Incompatible products: Strong Bases (Alkaline)
Do not mix with chlorine bleach, strong alkali materials or other household chemicals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure: Use only in area provided with appropriate exhaust ventilation.
VAPOR MAY BE HARMFUL!

Personal Protective Equipment

Respiratory protection: No personal respiratory protective equipment normally required.
Use in a well-ventilated area.
Do not breathe vapour or spray mist.
For occupational exposures, where exhaust ventilation is not adequate to control contaminant levels to below the regulatory TWA, appropriate acid gas or self-contained breathing apparatus (SCBA) respiratory equipment should be worn.
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: Impervious gloves.
Emergency responders should wear impermeable gloves.

Skin and body protection: In case of continuous exposure or occupational operations, wear protective clothing designed and appropriate for acid chemical exposure.
Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

Eye protection: Safety glasses with side-shields.
Avoid contact with eyes.
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 eyes, skin, and clothing.
Wash hands with soap and water after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.
Appearance: Clear liquid.

Colour: Red. Pink
Odour: Fresh.
pH: 0.80
Flash point: Greater than 93° C (>200° F)
Specific gravity: Greater than (>) 1.0. (Water = 1.0)
Vapour pressure: Not determined.
Solubility: 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: Oxidising agents.
Do not use on silver, lacquered, painted or antiqued finished surfaces.
Strong bases.

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 to skin !

Eye irritation: Corrosive to eyes !

Inhalation Do not breathe vapour or spray mist.
VAPOR MAY BE HARMFUL!

Ingestion HARMFUL 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:

FORMIC ACID, 85%
64-18-6 (1-3)

Ecotoxicity:
= 25 mg/L EC50 freshwater algae (Scenedesmus subspicatus)
= 34 mg/L EC50 water flea
= 5000 mg/L LC50 bluegill

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 aquatic organisms, fish, birds and mammals. Control and clean up all exterior spills and prevent product 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: Empty container can be disposed of as household trash or rinsed and recycled where appropriate.

Waste Disposal: 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 1760**

DOT:

Classification: UN 1760 - Corrosive Liquid, N.O.S. (Sulfamic Acid, Formic Acid) Class 8, PG II
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: 171 / 154

TDG (Canada):

Classification: UN 1760 - Corrosive Liquid, N.O.S. (Sulfamic Acid, Formic Acid) Class 8, PG II
Re-Classed as Consumer Commodity / Limited Quantity.

Proper shipping name: Consumer Commodity / Limited Quantity / LTD. QTY.

Status: Not applicable.

Packing Group: Not applicable.

WHMIS hazard class: E Corrosive material

IMDG / IMO

Classification: UN 1760, Corrosive liquid, N.O.S. (Sulfamic Acid, Formic Acid) Class 8, PG II, Limited Quantity.

Proper shipping name: Corrosive liquid, N.O.S. (Sulfamic Acid, Formic Acid)

Class: 8

Subsidiary Risk: Not applicable.

Packing group: II

IMDG page: Not applicable.

Marine pollutant: Not applicable.

EMS: F-A / S-B
 MFAG: See Guide.
 Maximum quantity: See IMDG Code.

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 1760, Corrosive liquid, N.O.S. (Sulfamic Acid, Formic Acid) Class 8, PG II.
 Proper shipping name: Corrosive liquid, N.O.S. (Sulfamic Acid, Formic 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
FORMIC ACID, 85%				Present		Present	Present	200-579-1
ETHOXYLATED ALCOHOL						Present	Present	None (Polymer)
ALKYL POLYETHYLENE GLYCOL ETHERS (C10)								None

U.S. Regulations:

Components: *SULFAMIC ACID 99.5% - 5329-14-6*
 NJRTK: Not Listed.
 California Proposition 65 - None
 CERCLA/SARA 313: None

Components: *FORMIC ACID, 85% - 64-18-6*
 NJRTK: Not Listed.
 California Proposition 65 - None
 CERCLA/SARA 313: None

Components: *ETHOXYLATED ALCOHOL - 68439-46-3*
 NJRTK: Not Listed.
 California Proposition 65 - None
 CERCLA/SARA 313: None

Components: *ALKYL POLYETHYLENE GLYCOL ETHERS (C10) - N/A, MIXTURE*
 NJRTK: Not Listed.
 California Proposition 65 - None
 CERCLA/SARA 313: 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 product.

Additional advice:

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

Prepared by:

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