

## 1. Product and Company Identification

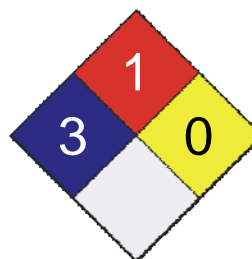
**Product Name** EASY OFF® Heavy Duty Oven Cleaner - Aerosol  
**CAS #** Mixture  
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the Canadian Workplace Hazardous Materials Information System (WHMIS).**  
**This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.**

**Product Use** Oven cleaner

**Distributed by** Reckitt Benckiser (Canada) Inc.  
 1680 Tech Avenue Unit #2  
 Mississauga, ON L4W 5S9  
 In Case of Emergency: 1-800-338-6167  
 Transportation Emergencies: 24 Hour Number:  
 North America: CHEMTREC: 1-800-424-9300  
 Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 3
Flammability	2
Physical Hazard	0
Personal Protection	D



## 2. Hazards Identification

**Emergency Overview** DANGER -- CORROSIVE Contents under pressure. CORROSIVE TO EYES AND SKIN Causes burns. CONTAINER MAY EXPLODE IF HEATED. Do not get in eyes, on skin or on clothing. DO NOT swallow. DO NOT inhale. DO NOT puncture or burn. Wear long rubber gloves. Use only with adequate ventilation. Store away from heat. To remove the safety cap, press the lines on the sides of the cap. Then pull and turn. Do not use knife or other tool to pry cap. Doing so may puncture container.

Keep out of reach of children.

### Potential short term health effects

**Routes of exposure**

Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

**Eyes**

Causes burns.

**Skin**

Causes burns.

**Inhalation**

None expected during normal conditions of use. However intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**Ingestion**

Harmful if swallowed.

**Target organs**

Eyes. Respiratory system. Skin. Gastrointestinal tract.

**Chronic effects**

The finished product is not expected to have chronic health effects.

**Signs and symptoms**

The product causes burns of eyes, skin and mucous membranes.

**Potential environmental effects**

See section 12.

### 3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Monoethanolamine	141-43-5	1 - 5
Sodium hydroxide	1310-73-2	3 - 7
Petroleum gases, liquefied, sweetened	68476-86-8	3 - 7
Diethylene glycol monobutyl ether	112-34-5	3 - 7

### 4. First Aid Measures

#### First aid procedures

<b>Eye contact</b>	If in eyes, IMMEDIATELY flush eyes with water. Remove any contact lenses and continue to flush eyes for at least 15 minutes. If irritation persists, seek medical attention immediately.
<b>Skin contact</b>	If on skin, rinse well with water. If on clothes, remove clothes. Wash thoroughly with soap and water and continue flushing for at least 10 minutes. If discomfort persists, seek medical attention immediately.
<b>Inhalation</b>	If breathed in, move person into fresh air. If symptoms develop or persist, seek medical advice.
<b>Ingestion</b>	NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit <a href="http://www.inhalant.org">www.inhalant.org</a> . If swallowed, call a Poison Control Centre or doctor immediately. Rinse mouth thoroughly. Do not induce vomiting. Never give anything by mouth to an unconscious person.

#### Notes to physician

Treat patient symptomatically.

#### General advice

Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

### 5. Fire-fighting Measures

#### Flammable properties

Aerosol flame extension less than 18 inches (45 cm).

NFPA AEROSOL LEVEL: Flammability Rating 1, per NFPA 30B

#### Extinguishing media

**Suitable extinguishing media** Dry chemical. Alcohol foam. Water spray.

**Unsuitable extinguishing media** Not available

#### Protection of firefighters

**Specific hazards arising from the chemical** Contents under pressure. Pressurized container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out.

**Protective equipment for firefighters** Firefighters should wear full protective clothing including self contained breathing apparatus.

#### Hazardous combustion products

May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

#### Explosion data

**Sensitivity to mechanical impact** Not available

**Sensitivity to static discharge** Not available

### 6. Accidental Release Measures

#### Personal precautions

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

#### Environmental precautions

Prevent further leakage or spillage if safe to do so.  
Do not contaminate water and ground system.  
Advise authorities if product has penetrated drains, sewers or water pipes.

**Methods for containment**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up**

Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite.

## 7. Handling and Storage

**Handling**

Ensure adequate ventilation.  
 Use good industrial hygiene practices in handling this material.  
 Do not get this material in your eyes, on your skin, or on your clothing.  
 Do not ingest. Do not breathe vapours or spray mist.  
 Wash hands thoroughly after handling.  
 Recommended for use ONLY on porcelain, enamel, iron, stainless steel, ceramic and glass surfaces. Avoid excessive use on glass. Do not use on exterior oven surfaces, aluminum, chrome, baked enamel. Do not use on self-cleaning or continuous cleaning ovens. Avoid spraying over pilot light. Keep off all electrical connections such as heating element, thermostat bulb receptacles, light switch. Do not puncture or incinerate container, expose to heat or store at temperature above 120°F. Never leave can on stove or near source of heat. Avoid freezing  
 Read and follow product label instructions.  
 To remove safety cap, place both thumbs directly below the word "HERE" located on top of cap. Push cap upwards with both thumbs. DO NOT use knife or other tool to pry cap. Doing so may puncture container

**Storage**

Keep out of reach of children.  
 Do not store at temperatures above 49°C (120.2°F).  
 Keep away from heat, open flames or other sources of ignition.  
 Protect from direct sunlight and extreme heat.  
 Keep from freezing.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit [www.inhalant.org](http://www.inhalant.org).

## 8. Exposure Controls / Personal Protection

**Exposure limit values**

Ingredient(s)	Exposure limit values
Diethylene glycol monobutyl ether	<b>ACGIH-TLV</b> Not established
Monoethanolamine	<b>ACGIH-TLV</b> TWA: 3 ppm STEL: 6 ppm
Petroleum gases, liquefied, sweetened	<b>ACGIH-TLV</b> Not established
Sodium hydroxide	<b>ACGIH-TLV</b> Ceiling: 2 mg/m3

**Engineering controls**

Provide adequate ventilation.

**Personal protective equipment**

**Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.**

**Eye / face protection**

Tightly fitting safety goggles.

**Hand protection**

Rubber gloves. Confirm with a reputable supplier first.

**Skin and body protection**

As required by employer code. long sleeved clothing  
 Usual safety precautions while handling the product will provide adequate protection against injury or irritation.  
 Follow label directions carefully.

<b>Respiratory protection</b>	Not normally required under normal use conditions. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. 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.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes, skin and clothing.

---

## 9. Physical and Chemical Properties

---

<b>Appearance</b>	Aerosol.
<b>Colour</b>	White.
<b>Form</b>	compressed liquefied gas
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	Not available
<b>Physical state</b>	Gas
<b>pH</b>	13.3
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Pour point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flash point</b>	> 93.33 °C (> 200 °F) (liquid)
<b>Auto-ignition temperature</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability Limits in Air, Upper, % by Volume</b>	Not available
<b>Vapour pressure</b>	Not available
<b>Vapour density</b>	Not available
<b>Specific gravity</b>	1.052 @ 25°C
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	> 95 % @ 70°F
<b>VOC (Weight %)</b>	Not available
<b>Viscosity</b>	Not available

---

## 10. Stability and Reactivity

---

<b>Reactivity</b>	This product may react with strong acids.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Aerosol containers are unstable at temperatures above 49°C (120.2°F). Avoid excessive use on glass. Do not use on exterior oven surfaces, aluminum, chrome, baked enamel. Do not use on self-cleaning or continuous cleaning ovens. Avoid spraying over pilot light. Keep off all electrical connections such as heating element, thermostat bulb receptacles, light switch. Do not puncture or incinerate container, expose to heat or store at temperature above 120°F. Never leave can on stove or near source of heat. Avoid freezing. Do not use on grill exterior, interior or components. Do not spray onto aluminum or painted surfaces as damage to these surfaces may occur. Keep away from open flames, hot surfaces and sources of ignition.
<b>Incompatible materials</b>	Acids. Oxidizing agents. Aluminum.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Diethylene glycol monobutyl ether	Not available
Monoethanolamine	1210 mg/m <sup>3</sup> mouse
Petroleum gases, liquefied, sweetened	Not available
Sodium hydroxide	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Diethylene glycol monobutyl ether	2000 mg/kg guinea pig; 3384 mg/kg rat; 2200 mg/kg rabbit
Monoethanolamine	1720 mg/kg rat; 700 mg/kg mouse
Petroleum gases, liquefied, sweetened	Not available
Sodium hydroxide	Not available

### Effects of acute exposure

<b>Eye</b>	Causes burns.
<b>Skin</b>	Causes burns.
<b>Inhalation</b>	None expected during normal conditions of use. However intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
<b>Ingestion</b>	Harmful if swallowed.
<b>Sensitisation</b>	The finished product is not expected to have chronic health effects.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Name of Toxicologically Synergistic Products</b>	Not available

## 12. Ecological Information

**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

### Ecotoxicity - Freshwater Algae - Acute Toxicity Data

Diethylene glycol monobutyl ether	112-34-5	96 Hr EC50 <i>Desmodesmus subspicatus</i> : >100 mg/L
Monoethanolamine	141-43-5	72 Hr EC50 <i>Desmodesmus subspicatus</i> : 15 mg/L

### Ecotoxicity - Freshwater Fish - Acute Toxicity Data

Diethylene glycol monobutyl ether	112-34-5	96 Hr LC50 <i>Lepomis macrochirus</i> : 1300 mg/L [static]
Monoethanolamine	141-43-5	96 Hr LC50 <i>Pimephales promelas</i> : 227 mg/L [flow-through]; 96 Hr LC50 <i>Brachydanio rerio</i> : 3684 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 300-1000 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 114-196 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : >200 mg/L [flow-through]
Sodium hydroxide	1310-73-2	96 Hr LC50 <i>Oncorhynchus mykiss</i> : 45.4 mg/L [static]

### Ecotoxicity - Water Flea - Acute Toxicity Data

Diethylene glycol monobutyl ether	112-34-5	24 Hr EC50 <i>Daphnia magna</i> : 2850 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : >100 mg/L
Monoethanolamine	141-43-5	48 Hr EC50 <i>Daphnia magna</i> : 65 mg/L

<b>Persistence and degradability</b>	Not available
<b>Bioaccumulation/accumulation</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Chemical fate information</b>	Not available

Other adverse effects Not available

---

### 13. Disposal Considerations

---

**Disposal instructions** Dispose in accordance with all applicable regulations.  
Container disposal: Empty containers may be included with domestic refuse for disposal to a landfill. This container may also be recycled in communities where aerosol container recycling is available. Before offering for recycling, empty the can or use the product according to the label instructions.

**Waste from residues / unused products** Not available

**Contaminated packaging** Not available

---

### 14. Transport Information

---

**U.S. Department of Transportation (DOT)**

UN1950, Aerosols, Class 2.2 (8), Limited Quantity

**Transportation of Dangerous Goods (TDG - Canada)**

UN1950, Aerosols, Class 2.2 (8), Limited Quantity

**IMDG (Marine Transport)**

UN1950, Aerosols, Class 2.2 (8), Limited Quantity

UN1950, Aerosols , non-flammable, containing substances in Class 8, Packing Group II, 2.2 (8), FORBIDDEN FROM AIR TRANSPORT

---

## 15. Regulatory Information

---

### Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Product Registration: Product is compliant with CCCR regulatory guidelines; a specific registration is not required for this product.

Smectite group minerals is listed on the NDSL. However, it is exempt from notification to Environment Canada because the substance is naturally occurring.

#### Canada - WHMIS - Ingredient Disclosure List

Diethylene glycol monobutyl ether	112-34-5	1 %
Monoethanolamine	141-43-5	1 %
Sodium hydroxide	1310-73-2	1 %

### WHMIS classification

Exempt - Consumer product

### Inventory Status

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

---

## 16. Other Information

---

### Disclaimer

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

### Further information

EASY OFF® Heavy Duty Oven Cleaner - Aerosol, 400 g/600g - 371752v5.0

### Issue date

20-Dec-2012

### Effective Date

01-Jan-2013

### Expiry Date

01-Jan-2016

### Prepared by

Reckitt Benckiser Regulatory Department 800-333-3899

### Other Information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.