



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** EXTREME LAUNDRY BRIGHT  
**Product use** Laundry Detergent.  
**Product code** B227  
**Date of issue** 07/28/14 **Supersedes** 08/08/11

### Emergency Telephone Numbers

#### For MSDS Information:

Technical Services Group  
Telephone (780) 453-8100  
(Business Hours 8:00am - 5:00pm)

#### For Medical or Transportation Emergency

CANUTEC (24 Hours)  
(613) 996-6666 - Call Collect

#### Prepared By

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## Section 2. Hazards Identification

### Emergency overview

CAUTION !

MAY BE HARMFUL IF SWALLOWED.

Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Contains material that may cause target organ damage, based on animal data. Wash thoroughly after handling.

**NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.**

### Acute Effects

### Routes of Entry

Dermal contact. Eye contact. Inhalation.

#### Eyes

May cause eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

#### Skin

May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

#### Inhalation

Harmful by inhalation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

#### Ingestion

Harmful if swallowed.

### Chronic effects

Contains material which may cause damage to the following organs: blood, kidneys, liver, upper respiratory tract, skin, eyes.

Repeated or prolonged exposure to the substance can produce target organs damage. Prolonged or repeated contact may dry skin and cause irritation.

**Additional Information: See Toxicological Information (Section 11)**

## Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS number</u>	<u>% by Weight</u>
Alcohols (C12-15, Ln. saturated) ethoxylate	68131-39-5	10 - 30
DIETHYLENE GLYCOL MONOBUTYL ETHER; 2-(2-butoxyethoxy)-ethanol; butyl carbitol	112-34-5	5 - 10
DIETHANOLAMINE; 2,2'-iminodiethanol; bis(2-hydroxyethyl)amine; dea	111-42-2	1 - 5
FORMIC ACID; methanoic acid; hydrogen carboxylic acid	64-18-6	1 - 5
Fluorescent Brightener 351	27344-41-8	0.1 - 1.0

## Section 4. First Aid Measures

### Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

### Skin Contact

Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

- Inhalation** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
- Ingestion** If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention.

### Section 5. Fire Fighting Measures

- Flash Point** Not available.
- Flammable Limits** Not available.
- Flammability** Aqueous solutions are non-flammable.
- Auto-ignition Temperature**
- Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire.
- Fire hazard** In a fire or if heated, a pressure increase will occur and the container may burst.
- Products of Combustion** carbon oxides (CO, CO<sub>2</sub>) and other unidentified organic compounds
- Explosion hazard** Not available.

### Section 6. Accidental Release Measures

- Spill Clean up** Put on appropriate personal protective equipment (see Section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

### Section 7. Handling and Storage

- Handling** Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Wash thoroughly after handling.
- Storage** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of the reach of children.

### Section 8. Exposure Controls/Personal Protection

#### Product name

Diethanolamine  
Formic Acid

#### Exposure limits

OSHA PEL (United States).  
: 3 ppm  
ACGIH TLV (United States).  
TWA: 5 ppm 8 hour(s).

#### Personal Protective Equipment (PPE)

- Eyes** Recommended: Splash goggles.
- Hands and Body** Recommended: Chemical-resistant gloves. Neoprene Nitrile Rubber
- Respiratory** Recommended: Use with adequate ventilation. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.



### Section 9. Physical and Chemical Properties

- Physical State** Liquid. **Color** Light Green. Clear.
- pH** 7.0 - 9.0 **Odor** Odorless.
- Boiling Point** Not available. **Vapor Pressure** Not available.
- Specific Gravity** 1.04 **Vapor Density** Not determined.
- Solubility** Easily soluble in the following materials: cold water and hot water. **Evaporation Rate** 1 (Water = 1)
- Freezing Point** **VOC (Consumer)** 0 (g/l).

**Section 10. Stability and Reactivity****Stability and Reactivity**

The product is stable.

**Incompatibility**

Reactive or incompatible with the following materials: oxidizing materials.

Slightly reactive or incompatible with the following materials: acids.

**Hazardous Polymerization**

Will not occur.

**Hazardous Decomposition Products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information****Carcinogenicity** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Diethylene glycol monobutyl ether	LD50 Dermal	Rabbit	2700 mg/kg	-
	LD50 Oral	Rat	6050 mg/kg	-
	LD50 Oral	Rat	5660 mg/kg	-
	LD50 Oral	Rat	4500 mg/kg	-
	LD50 Oral	Mouse	2400 mg/kg	-
	LD50 Unreported	Rat	4500 mg/kg	-
Diethanolamine	LD50 Dermal	Rabbit	3000 mg/kg	-
	LD50 Oral	Rat	1410 mg/kg	-
Formic Acid	LD50 Oral	Rat	1100 mg/kg	-

**Section 12. Ecological Information****Environmental Effects**

No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

Not available.

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

**Waste Stream****Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>TDG Classification</b>	Not regulated.	-	-	-		-
<b>IMDG Class</b>	Not available.	Not available.	Not available.	-		-

**NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.**

PG\* : Packing group

**Section 15. Regulatory Information****Canada****WHMIS (Canada)**

Class D-2A: Material causing other toxic effects (Very toxic).

Class D-2B: Material causing other toxic effects (Toxic).

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.

**Section 16. Other Information**

*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.*