

**SAFETY DATA SHEET****ECOFIRST ENZYME DETERGENT/BRIGHTENER****1. Product and Company Identification**

**Product Code:** 4581  
**Product Name:** ECOFIRST ENZYME DETERGENT/BRIGHTENER  
**Revision:** 06/11/2018  
**Supersedes Revision:** 09/03/2015

**Manufacturer Information:**

**Company Name:** PDQ Manufacturing, Inc. **Phone Number:**  
 201 Victory Circle (706)636-1848

Ellijay, GA 30540

**Web site address:** www.pdqonline.com

**Emergency Contact:** Chemtrec, Reference: CCN203605 (800)424-9300  
**Information:** info@pdqonline.com (706)636-1848

**Supplier Name and Address:**

**Company Name:** PDQ MANUFACTURING, INC. **Phone Number:**  
 201 VICTORY CIRCLE 706/636-1848

ELLIJAY, GA 30540

**2. Hazards Identification**

**Serious Eye Damage/Eye Irritation, Category 2A**

**Skin Corrosion/Irritation, Category 2**



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** H315 - Causes skin irritation.  
 H319 - Causes serious eye irritation.

**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
 P280 - Wear protective gloves and eye protection.

**GHS Response Phrases:** P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.  
 P321 - Specific treatment see appropriate section on this label.  
 P332+313 - If skin irritation occurs, get medical advice/attention.  
 P337+313 - If eye irritation persists, get medical advice/attention.  
 P362 - Take off contaminated clothing and wash before re-use.

**GHS Storage and Disposal Phrases:** No phrases apply.

**Potential Health Effects (Acute and Chronic):**

**Inhalation:** Harmful if inhaled. Causes respiratory tract irritation.

**Skin Contact:** Causes skin irritation.

**Eye Contact:** May cause conjunctivitis. Lachrymator (substance which increases the flow of tears). Causes severe eye irritation.

**Ingestion:** May cause irritation of the digestive tract. May cause nausea, vomiting, and diarrhea, possibly with blood. Harmful if swallowed.

**SAFETY DATA SHEET****ECOFIRST ENZYME DETERGENT/BRIGHTENER****3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	5.0 -15.0 %
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3) {Sodium percarbonate; Sodium carbonate peroxyhydrate}	15.0 -30.0 %
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	3.0 -5.0 %

**4. First Aid Measures****Emergency and First Aid****Procedures:**

<b>In Case of Inhalation:</b>	If breathed in, move person into fresh air.
<b>In Case of Skin Contact:</b>	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician. Wash clothing before reuse.
<b>In Case of Eye Contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>In Case of Ingestion:</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**5. Fire Fighting Measures**

<b>Flash Pt:</b>	NP Method Used: Estimate
<b>Explosive Limits:</b>	LEL: N.A. UEL: N.A.
<b>Autoignition Pt:</b>	NA
<b>Suitable Extinguishing Media:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, dry chemical, carbon dioxide, or chemical foam.
<b>Fire Fighting Instructions:</b>	The product itself does not burn. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
<b>Flammable Properties and Hazards:</b>	No data available.

**6. Accidental Release Measures**

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Personal precautions. Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas. Environmental precautions. Do not let product enter drains.
---	--

**7. Handling and Storage**

<b>Precautions To Be Taken in Handling:</b>	Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Keep container tightly closed. Avoid contact with clothing and other combustible materials. Avoid ingestion and inhalation. Do not get in eyes, on skin, or on clothing.
<b>Precautions To Be Taken in Storing:</b>	Keep container tightly closed in a dry and well-ventilated place. Hygroscopic. Store protected from moisture.

## SAFETY DATA SHEET

## ECOFIRST ENZYME DETERGENT/BRIGHTENER

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	No data.	No data.	No data.
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3) {Sodium percarbonate; Sodium carbonate peroxyhydrate}	No data.	No data.	No data.
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** Respirator protection is not normally required.

**Eye Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Protective Gloves:** Wear appropriate gloves to prevent skin exposure.

**Other Protective Clothing:** Protective garments not normally required.

**Engineering Controls (Ventilation etc.):** No data available.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ ] Liquid [X] Solid

**Appearance and Odor:** .White to off-white granular powder  
Mild surfactant odor.

**Melting Point:** 1.00 C - 851.00 C

**Boiling Point:** NA - 1600.00 C

**Decomposition Temperature:** NP

**Autoignition Pt:** NA

**Flash Pt:** NP Method Used: Estimate

**Explosive Limits:** LEL: N.A. UEL: N.A.

**Specific Gravity (Water = 1):** No data.

**Density:** 52.5 - 57.5 LB/CF

**Vapor Pressure (vs. Air or mm Hg):** NP

**Vapor Density (vs. Air = 1):** NP

**Evaporation Rate:** NP

**Solubility in Water:** 100%

**Saturated Vapor Concentration:** NP

**Viscosity:** NP

**pH:** ~ 11.5

**Percent Volatile:** < 1.0 % by weight.

**VOC / Volume:** 0.0000 G/L

## SAFETY DATA SHEET

## ECOFIRST ENZYME DETERGENT/BRIGHTENER

## 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ ]    Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Excess heat, combustible materials, Incompatible materials.
<b>Incompatibility - Materials To Avoid:</b>	Incompatible with alkalies, sol carbonates, gold and silver salts, lead acetate, lime water, potassium iodide, potassium and sodium tartrate, sodium borate, tannin, vegetable astringent infusions and decoctions. Lead. Tin/tin oxides, Zinc, Reducing agents, Organic materials, Finely powdered metals, Acids, Bases, Strong acids. Metals. fluorine, Hydrogen peroxide, phosphorus pentoxide, 6-trinitrotoluene.
<b>Hazardous Decomposition or Byproducts:</b>	formed under fire conditions. Sodium oxides, silicon oxides. Nitrogen oxides, Carbon monoxide, Carbon dioxide, oxides of sulfur.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ]    Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

## 11. Toxicological Information

**Toxicological Information:** No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	n.a.	n.a.	n.a.	n.a.
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3) {Sodium percarbonate; Sodium carbonate peroxyhydrate}	n.a.	n.a.	n.a.	n.a.
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	n.a.	n.a.	n.a.	n.a.

## 12. Ecological Information

	No data available.
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.

## 13. Disposal Considerations

<b>Waste Disposal Method:</b>	Contaminated packaging. Dispose of as unused product. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.
-------------------------------	---

## SAFETY DATA SHEET

## ECOFIRST ENZYME DETERGENT/BRIGHTENER

## 14. Transport Information

## LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated.  
 DOT Hazard Class: NA None  
 UN/NA Number: None

## 15. Regulatory Information

## EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	No	No	No
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3) {Sodium percarbonate; Sodium carbonate peroxyhydrate}	No	No	No
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3) {Sodium percarbonate; Sodium carbonate peroxyhydrate}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

## 16. Other Information

Revision Date: 06/11/2018  
 Preparer Name: Regulatory Affairs

## Hazard Rating System:

HEALTH		1
FLAMMABILITY		0
REACTIVITY		0
PPE		A

HMIS:

Additional Information About This Product: No data available.

## This Product:

## Company Policy or Disclaimer:

The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.