

# SAFETY DATA SHEET

## Optima Laundry Detergent

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Revision: 02/06/2015

Distributor: Southern Maintenance Supply Co. Inc. 320 Page Street, Lynchburg, VA 24501 (434)847-4396

### 1. Product and Company Identification

**Product Code:** 4404  
**Product Name:** Optima Laundry Detergent  
**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, Use Company Code: A814 (800)424-9300  
**Information:** info@pdqonline.com (706)636-1848

### 2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2A



**GHS Signal Word:** **Warning**  
**GHS Hazard Phrases:** H319 - Causes serious eye irritation.  
**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
**GHS Response Phrases:** 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 advise. Have product container or label with you when calling poison control center or physician.  
P337+313 - If eye irritation persists, get medical advice/attention.  
**GHS Storage and Disposal Phrases:** No phrases apply.  
**Potential Health Effects (Acute and Chronic):** Adverse reproductive effects have been reported in animals.  
Chronic:  
**Inhalation:** Harmful if inhaled.  
**Skin Contact:** Ingestion can cause burning pain in mouth, throat and abdomen - May be fatal if ingested. Causes skin irritation.  
**Eye Contact:** Exposure to solid may cause pain and redness. Causes eye irritation. Lachrymator (substance which increases the flow of tears).  
**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed. Ingestion of large amounts may cause nausea and vomiting, rigidity or convulsions. Continued exposure can produce coma, dehydration, and internal organ congestion.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
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## 4. First Aid Measures

### Emergency and First Aid

#### Procedures:

- In Case of Inhalation:** Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid.
- In Case of Skin Contact:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
- In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
- In Case of Ingestion:** Get medical aid if irritation or symptoms occur.
- Note to Physician:** None known.

## 5. Fire Fighting Measures

### Flash Pt:

**Explosive Limits:** LEL: UEL:

### Autoignition Pt:

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

**Fire Fighting Instructions:** Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. May be combustible at high temperatures. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

### Flammable Properties and Hazards:

## 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section).

## 7. Handling and Storage

**Precautions To Be Taken in Handling:** Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Precautions To Be Taken in Storing:** Store in a cool, dry place. Store in a tightly closed container. Keep away from acids.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
	<b>Respiratory Equipment (Specify Type):</b>	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.		
	<b>Eye Protection:</b>	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.		
	<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure.		
	<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.		

**Engineering Controls (Ventilation etc.):** Use adequate ventilation to keep airborne concentrations low.

## 9. Physical and Chemical Properties

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

**Appearance and Odor:** White granular powder  
Citrus odor.

**Melting Point:**

**Boiling Point:**

**Autoignition Pt:**

**Flash Pt:**

**Explosive Limits:** LEL: UEL:

**Specific Gravity (Water = 1):**

**Density:** ~ 62 LB/CF

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

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

**Evaporation Rate:**

**Solubility in Water:** ~ 30

**pH:** ~ 11

**Percent Volatile:**

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Incompatible materials, dust generation, Exposure to moist air or water.

**Incompatibility - Materials To Avoid:** Metals. Strong acids. 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. bromine trifluoride, nitrogen compounds, Acids, fluorine, Hydrogen peroxide, phosphorus pentoxide, 6-trinitrotoluene.

**Hazardous Decomposition Or Byproducts:** Hydrogen chloride, sodium oxide. Carbon monoxide, Carbon dioxide.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:**

## 11. Toxicological Information

**Toxicological Information:** Epidemiology: The only adverse effect noted from occupational exposures have been mild nasal irritation with exposure to high dust levels and hypertension.  
 Teratogenicity: No information available. Reproductive Effects: No information found.  
 Mutagenicity: Neurotoxicity: Teratogenicity: Teratogenic effects have occurred in experimental animals.  
 Other Studies:

**Carcinogenicity/Other Information:** CAS# 7647-14-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 497-19-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

<b>CAS #</b>	<b>Hazardous Components (Chemical Name)</b>	<b>NTP</b>	<b>IARC</b>	<b>ACGIH</b>	<b>OSHA</b>
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## 12. Ecological Information

**General Ecological Information:** Environmental: Not regulated under U.S. Department of Transportation regulations (29 CFR)  
 Physical: No information available.  
 Other: Do not empty into drains.

## 13. Disposal Considerations

**Waste Disposal Method:** 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.

## 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**

<b>CAS #</b>	<b>Hazardous Components (Chemical Name)</b>	<b>S. 302 (EHS)</b>	<b>S. 304 RQ</b>	<b>S. 313 (TRI)</b>
<b>CAS #</b>	<b>Hazardous Components (Chemical Name)</b>	<b>Other US EPA or State Lists</b>		

## 16. Other Information

**Revision Date:** 02/06/2015  
**Preparer Name:** Regulatory Affairs

**Hazard Rating System:**

<b>HEALTH</b>	1
<b>FLAMMABILITY</b>	0
<b>REACTIVITY</b>	0
<b>PPE</b>	A

**HMIS:**

**Additional Information About This Product:**

**Company Policy or** The information contained in this Safety Data Sheet is provided pursuant to current

# SAFETY DATA SHEET

## Optima Laundry Detergent

**Disclaimer:**

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.