

OPTIMA 1

1. Product and Company Identification

Product Code: 4095
Product Name: OPTIMA 1
Revision: 10/01/2018
Supersedes Revision: 03/11/2015

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: _____ **Phone Number:**

2. Hazards Identification

Skin Corrosion/Irritation, Category 1A

GHS Signal Word: **Danger**

GHS Hazard Phrases: H314 - Causes severe skin burns and eye damage.

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

GHS Response Phrases: P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 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.
 P310 - Immediately call a POISON CENTER or doctor/physician.
 P321 - Specific treatment see appropriate section on this label.
 P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases: P405 - Store locked up.
 P501 - Dispose of contents/container in accordance with all local, regional, national and international regulations.

SAFETY DATA SHEET**OPTIMA 1**

Potential Health Effects (Acute and Chronic): Prolonged or repeated eye contact may cause conjunctivitis.

Prolonged or repeated skin contact may cause dermatitis.

Chronic: Effects may be delayed.

Inhalation: No hazard expected in normal industrial use.

Skin Contact: Causes severe burns with delayed tissue destruction. Causes redness and pain. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.

Eye Contact: Causes severe eye burns. May cause irreversible eye injury. Causes redness and pain.

Ingestion: Harmful if swallowed. May cause severe and permanent damage to the digestive tract.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
1310-58-3	Potassium hydroxide {Caustic potash}	5.0 -15.0 %
7785-84-4	Sodium phosphate, tribasic {Metaphosphoric acid (H3P3O9), trisodium salt; Sodium trimetaphosphate}	10.0 -20.0 %

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

In Case of Inhalation: If breathed in, move person into fresh air. Consult a physician.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Discard contaminated clothing in a manner which limits further exposure. Destroy contaminated shoes. Consult a physician.

In Case of Eye Contact: Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes).

In Case of Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

5. Fire Fighting Measures

Flash Pt: NA Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NA

Suitable Extinguishing Media: Use dry sand or earth to smother fire. Use extinguishing media appropriate to surrounding fire conditions. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

Flammable Properties and Hazards: No data available.

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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: Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation. Personal precautions. Use personal protective equipment. Avoid breathing vapors, mist or gas. Environmental precautions. Do not let product enter drains.

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

7. Handling and Storage

Precautions To Be Taken in Handling: Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not ingest or inhale. Do not allow contact with water. Discard contaminated shoes. No special handling procedures are required.

Precautions To Be Taken in Storing: Keep container closed when not in use. Corrosives area.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1310-58-3	Potassium hydroxide {Caustic potash}	No data.	CEIL: 2 mg/m ³	No data.
7785-84-4	Sodium phosphate, tribasic {Metaphosphoric acid (H ₃ P ₃ O ₉), trisodium salt; Sodium trimetaphosphate}	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 protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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

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9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Clear dark tan liquid Mild odor.	
Melting Point:	360.00 C	
Boiling Point:	100.00 C	
Autoignition Pt:	NA	
Flash Pt:	NA Method Used: Estimate	
Explosive Limits:	LEL: No data.	UEL: No data.
Specific Gravity (Water = 1):	~ 1.3	
Vapor Pressure (vs. Air or mm Hg):	No data.	
Vapor Density (vs. Air = 1):	No data.	
Evaporation Rate:	No data.	
Solubility in Water:	Complete	
Viscosity:	Thin	
pH:	> 12.5	
Percent Volatile:	No data.	

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	No data available.
Incompatibility - Materials To Avoid:	Avoid contact with acids, reducing agents, oxidizers, nitrogen oxides, amines, ammonia or other nitrogen containing compounds. Acids, Strong oxidizing agents.
Hazardous Decomposition or Byproducts:	Oxides of potassium, hydrogen gas. formed under fire conditions. oxides of phosphorus, Sodium oxides.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

Toxicological Information:	No data available.
Irritation or Corrosion:	No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
1310-58-3	Potassium hydroxide {Caustic potash}	n.a.	n.a.	n.a.	n.a.
7785-84-4	Sodium phosphate, tribasic {Metaphosphoric acid (H3P3O9), trisodium salt; Sodium trimetaphosphate}	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.

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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. Product.
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging.
Dispose of as unused product.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide)

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN3266

Packing Group: II



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)
1310-58-3	Potassium hydroxide {Caustic potash}	No	Yes 1000 LB	No
7785-84-4	Sodium phosphate, tribasic {Metaphosphoric acid (H3P3O9), trisodium salt; Sodium trimetaphosphate}	No	Yes 5000 LB	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1310-58-3	Potassium hydroxide {Caustic potash}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
7785-84-4	Sodium phosphate, tribasic {Metaphosphoric acid (H3P3O9), trisodium salt; Sodium trimetaphosphate}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

16. Other Information

Revision Date: 10/01/2018
Preparer Name: Regulatory Affairs

Hazard Rating System:

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PPE	B

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

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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.