

**SAFETY DATA SHEET****OPTIBLEND #2 CLEANER/DISINFECTANT****1. Product and Company Identification**

**Product Code:** 4245  
**Product Name:** OPTIBLEND #2 CLEANER/DISINFECTANT  
**Revision:** 04/20/2023  
**Supersedes Revision:** 12/04/2017

**Manufacturer Information:** PDQ Manufacturing, Inc.  
 201 Victory Circle  
 Ellijay, GA 30540  
**Phone Number:** (706)636-1848  
**Web site address:** www.pdqonline.com

**Emergency Contact:** Chemtrec (800)424-9300 / 24 Hr.  
 Leak, Spill, Exposure, Fire, Accident

**Supplier Name and Address:** **Phone Number:**

**2. Hazards Identification**

**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 1**  
**Aquatic Toxicity (Acute), Category 2**



**GHS Signal Word:** **Danger**  
**GHS Hazard Phrases:** H315 - Causes skin irritation.  
 H318 - Causes serious eye damage.  
 H401 - Toxic to aquatic life.  
**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
 P273 - Avoid release to the environment.  
 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.  
 P310 - Immediately call a POISON CENTER or doctor/physician.  
 P321 - Specific treatment see Section 4 on this SDS.  
 P332+313 - If skin irritation occurs, get medical advice/attention.  
 P362 - Take off contaminated clothing and wash before re-use.  
**GHS Storage and Disposal Phrases:** P501 - Dispose of contents/container to trash after rinsing container.

**SAFETY DATA SHEET****OPTIBLEND #2 CLEANER/DISINFECTANT****Potential Health Effects  
(Acute and Chronic):**

Adverse reproductive effects have been reported in animals.

Prolonged or repeated skin contact may cause defatting and dermatitis. May cause anemia and other blood cell abnormalities.

Chronic: None. Prolonged or repeated exposure may cause nausea, dizziness, and headache. May cause kidney damage.

**Inhalation:**

Causes irritation of the mucous membrane and upper respiratory tract. Harmful if inhaled.

**Skin Contact:**

Causes skin irritation. Causes redness and pain.

**Eye Contact:**

Causes severe eye burns. Causes redness and pain. Lachrymator (substance which increases the flow of tears).

**Ingestion:**

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May cause irritation of the digestive tract. May be harmful if swallowed.

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
68131-39-5	Ethoxylated linear alcohol	4.0 -7.0 %
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides	4.5 %
64-17-5	Ethyl alcohol {Ethanol}	0.506 %

**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:**

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**In Case of Eye Contact:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**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.

**Note to Physician:**

None known.

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## 5. Fire Fighting Measures

<b>Flash Pt:</b>	NP
<b>Explosive Limits:</b>	LEL: N.A. UEL: N.A.
<b>Autoignition Pt:</b>	NP
<b>Suitable Extinguishing Media:</b>	Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.
<b>Fire Fighting Instructions:</b>	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. May form explosive peroxides. Vapors may be heavier than air.
<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>	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Do not let this chemical enter the environment.
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## 7. Handling and Storage

<b>Precautions To Be Taken in Handling:</b>	No special handling procedures are required. Wash thoroughly after handling. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale.
<b>Precautions To Be Taken in Storing:</b>	No special storage requirements. Store in a cool, dry place. Keep away from acids.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68131-39-5	Ethoxylated linear alcohol	No data.	No data.	No data.
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	No data.	No data.	No data.
64-17-5	Ethyl alcohol {Ethanol}	PEL: 1000 ppm	TLV: 1000 ppm	No data.

<b>Respiratory Equipment (Specify Type):</b>	Respirator protection is not normally required.
<b>Eye Protection:</b>	Wear chemical splash goggles. 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.
<b>Engineering Controls (Ventilation etc.):</b>	There are no special ventilation requirements. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

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## 9. Physical and Chemical Properties

<b>Physical States:</b>	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
<b>Appearance and Odor:</b>	Fragrant odor. Clear red liquid		
<b>Freezing Point:</b>	< 0.00 C		
<b>Boiling Point:</b>	> 100.00 C		
<b>Decomposition Temperature:</b>	NE		
<b>Autoignition Pt:</b>	NP		
<b>Flash Pt:</b>	NP		
<b>Explosive Limits:</b>	LEL: N.A.      UEL: N.A.		
<b>Specific Gravity (Water = 1):</b>	1.028 - 1.049      at 25.0 C		
<b>Density:</b>	NP		
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NE		
<b>Vapor Density (vs. Air = 1):</b>	NE		
<b>Evaporation Rate:</b>	> 1 (H <sub>2</sub> O=1)		
<b>Solubility in Water:</b>	100%		
<b>Saturated Vapor Concentration:</b>	NE		
<b>Viscosity:</b>	NPThin		
<b>pH:</b>	10.7 - 12.7		
<b>Percent Volatile:</b>	< 89.0 % by weight.		
<b>VOC / Volume:</b>	0.0000 G/L		

## 10. Stability and Reactivity

<b>Stability:</b>	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>
<b>Conditions To Avoid - Instability:</b>	Incompatible materials.	
<b>Incompatibility - Materials To Avoid:</b>	Strong acids. 6-trinitrotoluene.	
<b>Hazardous Decomposition or Byproducts:</b>	Carbon monoxide, irritating and toxic fumes and gases, Carbon dioxide.	
<b>Possibility of Hazardous Reactions:</b>	Will occur <input type="checkbox"/>	Will not occur <input checked="" type="checkbox"/>
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.	

**SAFETY DATA SHEET****OPTIBLEND #2 CLEANER/DISINFECTANT****11. Toxicological Information**

**Toxicological Information:** Epidemiology: No data available.  
 Teratogenicity: No data available.  
 Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies: No information found.  
 Teratogenicity: Teratogenic effects have occurred in experimental animals.

**Carcinogenicity/Other Information:** CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 95-63-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
 CAS# 67-63-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
 CAS# 68131-39-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
 CAS# 92-71-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
 CAS# 1806-34-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 497-19-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
68131-39-5	Ethoxylated linear alcohol	n.a.	n.a.	n.a.	n.a.
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	n.a.	n.a.	n.a.	n.a.
64-17-5	Ethyl alcohol {Ethanol}	n.a.	1	A4	n.a.

**12. Ecological Information**

**General Ecological Information:** Environmental: Bioconcentration in aquatic organisms is moderate to high based on BCF values of 31-275, measured in carp. 1,2,4-Trimethylbenzene is expected to photodegrade in natural waters. If released to the atmosphere, 1,2,4-trimethylbenzene will exist solely in the vapor phase in the ambient atmosphere. Vapor-phase 1,2,4-trimethylbenzene is degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals and nitrate radicals with half-lives of about 12 hours and 6-30 days, respectively.  
 Physical: No information available.  
 Not regulated under U.S. Department of Transportation regulations (29 CFR)

**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:** DISINFECTANTS, LIQUID, CORROSIVE, N.O.S.

**DOT Hazard Class:** 8 CORROSIVE

**UN/NA Number:** UN1903

**Packing Group:** III



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## 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)
68131-39-5	Ethoxylated linear alcohol	No	No	No
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides	No	No	No
64-17-5	Ethyl alcohol {Ethanol}	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
68131-39-5	Ethoxylated linear alcohol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
64-17-5	Ethyl alcohol {Ethanol}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

## 16. Other Information

Revision Date: 04/20/2023  
Preparer Name: Regulatory Affairs

## Hazard Rating System:

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PPE	B

HMIS:

Additional Information About EPA Registration Number: 1839-95-58880

## This Product:

EPA Establishment Number: 58880-GA-001

## 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.