

SAFETY DATA SHEET**OPTIBLEND #5 HEAVY DUTY DEGREASER****1. Product and Company Identification**

Product Code: 4093
Product Name: OPTIBLEND #5 HEAVY DUTY DEGREASER
Revision: 05/30/2017
Supersedes Revision: 02/06/2015

Manufacturer Information:

Company Name: PDQ Manufacturing, Inc.
 201 Victory Circle
Phone Number: (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 of the SDS.
 P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases: P405 - Store locked up.
 P501 - Dispose of contents/container to trash after rinsing container.

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

Inhalation: Harmful if inhaled. May cause respiratory tract irritation.

Skin Contact: Causes skin irritation. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color. Causes skin burns, irritation and possible allergic reaction.

Eye Contact: Causes eye irritation. Causes redness and pain. Causes eye burns. May cause chemical conjunctivitis and corneal damage.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and

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diarrhea.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	3.0 -7.0 %
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	1.0 -5.0 %
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	1.0 -3.0 %
25155-30-0	Sodium dodecylbenzene sulfonate {linear alkylbenzene sulfonate}	1.0 -2.0 %

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

In Case of Inhalation:	If breathed in, move person into fresh air.
In Case of Skin Contact:	Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Take off contaminated clothing and shoes immediately. Consult a physician.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
In Case of Ingestion:	Get medical aid immediately. Call a poison control center. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.
Signs and Symptoms Of Exposure:	Burning sensation, Breathing dusts from the use of this product may be harmful. Wheezing, Laryngitis, Shortness of breath.

5. Fire Fighting Measures

Flash Pt:	No data.	
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	No data.	
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or chemical foam. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. 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.	
Flammable Properties and Hazards:	No data available.	

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	<p>Use proper personal protective equipment as indicated in Section 8.</p> <p>Spills/Leaks: Do not let this chemical enter the environment. Vacuum or sweep up material and place into a suitable disposal container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section.</p> <p>Personal precautions. Use personal protective equipment. Ensure adequate ventilation. Environmental precautions. Do not let product enter drains.</p> <p>Keep in suitable, closed containers for disposal.</p>
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Precautions To Be Taken in Handling: Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Wash thoroughly after handling. Keep container tightly closed. Avoid ingestion and inhalation. Discard contaminated shoes.

Precautions To Be Taken in Storing: Store in a cool, dry place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	PEL: 50 ppm	TLV: 20 ppm	No data.
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	PEL: 2 mg/m ³	CEIL: 2 mg/m ³	No data.
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	No data.	No data.	No data.
25155-30-0	Sodium dodecylbenzene sulfonate {linear alkylbenzene sulfonate}	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.): There are no special ventilation requirements. 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.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Clear dark brown liquid Solvent odor.	
Melting Point:	No data.	
Boiling Point:	No data.	
Autoignition Pt:	No data.	
Flash Pt:	No data.	
Explosive Limits:	LEL: No data.	UEL: No data.
Specific Gravity (Water = 1):	~ 1.05	
Vapor Pressure (vs. Air or mm Hg):	No data.	
Vapor Density (vs. Air = 1):	No data.	
Evaporation Rate:	No data.	
Solubility in Water:	Complete	

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Viscosity: Thin
pH: > 11.5
Percent Volatile: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Incompatible materials.
Incompatibility - Materials To Avoid: Strong acids. Aluminum, Sulfur oxides. Metals. Acids, Zinc, gelatin, nitromethane, leather, flammable liquids, organic halogens. Lead. Tin/tin oxides.
Hazardous Decomposition or Byproducts: Carbon monoxide, Toxic fumes of sodium oxide, formed under fire conditions. Sodium oxides, silicon 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.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	n.a.	3	A3	n.a.
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	n.a.	n.a.	n.a.	n.a.
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	n.a.	n.a.	n.a.	n.a.
25155-30-0	Sodium dodecylbenzene sulfonate {linear alkylbenzene sulfonate}	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: Environmental: TERRESTRIAL FATE: Based on a recommended classification scheme, an estimated Koc value of 67,, determined from an experimental log Kow and a recommended regression-derived equation, indicates that ethylene glycol mono-n-butyl ether is expected to have high mobility in soil. An estimated BCF value of 2.5 was calculated for ethylene glycol mono-n-butyl ether, using an experimental log Kow of 0.83 and a recommended regression-derived equation. According to a recommended classification scheme, this BCF value suggests that bioconcentration in aquatic organisms is low.
 Physical: No information found.
 Other: An estimated BCF value of 2.5,, from an experimental log Kow, suggests that ethylene glycol mono-n-butyl ether bioconcentration in aquatic organisms will be low, according to a recommended classification scheme.

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.

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

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. (Sodium hydroxide, Silicic acid (H₂SiO₃), Disodium salt)

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)
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	No	No	Yes-Cat. N230
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	No	Yes 1000 LB	No
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	No	No	No
25155-30-0	Sodium dodecylbenzene sulfonate {linear alkylbenzene sulfonate}	No	Yes 1000 LB	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	CAA HAP,ODC: Yes - Cat.; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
25155-30-0	Sodium dodecylbenzene sulfonate {linear alkylbenzene sulfonate}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

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16. Other Information

Revision Date: 05/30/2017
 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 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.