

SAFETY DATA SHEET

COMBI-CLEANER DEGREASER

1. Product and Company Identification

Product Code: 4968
Product Name: COMBI-CLEANER DEGREASER
Revision: 08/23/2018
Supersedes Revision: 01/05/2016

Manufacturer Information:

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

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

Acute Toxicity: Oral, Category 4

Skin Corrosion/Irritation, Category 1A



GHS Signal Word: **Danger**

GHS Hazard Phrases: H302 - Harmful if swallowed.
 H314 - Causes severe skin burns and eye damage.

GHS Precaution Phrases: P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P280 - Wear protective gloves and eye protection.

GHS Response Phrases: P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 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 Section 4 on this SDS.
 P330 - Rinse mouth.
 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

COMBI-CLEANER DEGREASER

Potential Health Effects (Acute and Chronic):

Inhalation:	May cause respiratory tract irritation. Low hazard for normal industrial handling. Material has a very low vapor pressure at room temperature, so inhalation exposures are not expected unless material is heated or misted.
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. May cause chemical conjunctivitis and corneal damage.
Ingestion:	Harmful if swallowed. May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. May cause systemic effects.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
111-90-0	Diethylene glycol monoethyl ether {2-(2-Ethoxyethoxy)ethanol {(a glycol ether)}}	1.0 -10.0 %
1310-58-3	Potassium hydroxide {Caustic potash}	10.0 -30.0 %

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation:	If breathing is difficult, give oxygen. Get medical aid immediately. Remove from exposure and move to fresh air immediately.
In Case of Skin Contact:	In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse. Discard contaminated clothing in a manner which limits further exposure. Destroy contaminated shoes.
In Case of Eye Contact:	Get medical aid. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Do NOT allow victim to rub eyes or keep eyes closed.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Get medical aid. If victim is conscious and alert, give 2-4 cupfuls of milk or water.

5. Fire Fighting Measures

Flash Pt:	None	Method Used: Unknown
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	204.00 C	
Suitable Extinguishing Media:	Use water spray, alcohol foam, CO2, dry chemical. Use dry sand or earth to smother fire. Use extinguishing media appropriate to surrounding fire conditions.	
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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Material will not burn.	
Flammable Properties and Hazards:	No data available.	

SAFETY DATA SHEET

COMBI-CLEANER DEGREASER

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: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Provide ventilation. Prevent runoff from entering drains, sewers, or streams. Clean up spills immediately, observing precautions in the Protective Equipment section.
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7. Handling and Storage

Precautions To Be Taken in Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Do not breathe dust, mist, or vapor. Keep container tightly closed. Do not ingest or inhale. Discard contaminated shoes.
Precautions To Be Taken in Storing:	Store in a tightly closed container. Keep container closed when not in use. Corrosives area. No special storage requirements.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
111-90-0	Diethylene glycol monoethyl ether {2-(2-Ethoxyethoxy)ethanol {(a glycol ether)}	No data.	No data.	No data.
1310-58-3	Potassium hydroxide {Caustic potash}	No data.	CEIL: 2 mg/m3	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.			

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Clear, slightly viscous red liquid No odor.	
Melting Point:	-80.00 C - 360.00 C	
Boiling Point:	100.00 C - 1320.00 C	
Autoignition Pt:	204.00 C	
Flash Pt:	None Method Used: Unknown	
Explosive Limits:	LEL: No data.	UEL: No data.
Specific Gravity (Water = 1):	~ 1.200	
Vapor Pressure (vs. Air or mm Hg):	No data.	
Vapor Density (vs. Air = 1):	No data.	
Evaporation Rate:	No data.	
Solubility in Water:	Complete	

SAFETY DATA SHEET

COMBI-CLEANER DEGREASER

Viscosity: Low
pH: > 12.5
Percent Volatile: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Avoid contact with acids, reducing agents, oxidizers, nitrogen oxides, amines, ammonia or other nitrogen containing compounds.

Incompatibility - Materials To Avoid: Strong acids. Avoid contact with acids, reducing agents, oxidizers, nitrogen oxides, amines, ammonia or other nitrogen containing compounds.

Hazardous Decomposition or Byproducts: Carbon monoxide, Oxides of potassium, hydrogen gas.

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
111-90-0	Diethylene glycol monoethyl ether {2-(2-Ethoxyethoxy)ethanol {(a glycol ether)}	n.a.	n.a.	n.a.	n.a.
1310-58-3	Potassium hydroxide {Caustic potash}	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

No data available.

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: Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN3266 **Packing Group:** II



SAFETY DATA SHEET

COMBI-CLEANER DEGREASER

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)
111-90-0	Diethylene glycol monoethyl ether {2-(2-Ethoxyethoxy)ethanol {(a glycol ether)}}	No	No	Yes-Cat. N230
1310-58-3	Potassium hydroxide {Caustic potash}	No	Yes 1000 LB	No

CAS # Hazardous Components (Chemical Name)
Other US EPA or State Lists

111-90-0	Diethylene glycol monoethyl ether {2-(2-Ethoxyethoxy)ethanol {(a glycol ether)}}	CAA HAP,ODC: Yes - Cat.; CWA NPDES: No; TSCA: Yes - Inventory, 8D TERM; CA PROP.65: No
1310-58-3	Potassium hydroxide {Caustic potash}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

16. Other Information

Revision Date: 08/23/2018
Preparer Name: Regulatory Affairs

Hazard Rating System:

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PPE	C

HMIS:

Additional Information About This Product: No data available.

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.