

# Procter&Gamble

## Professional®

### MATERIAL SAFETY DATA SHEET

#### 1. Product and Company Identification

**Material name** P&G Pro Line Heavy Duty Spray Cleaner (64) - Concentrate  
**Product Code** 99714883  
**Version #** 08  
**Revision date** 11-20-2012  
**Manufacturer** Procter & Gamble Professional  
**Address** 2 P&G Plaza  
Cincinnati  
Ohio  
45202  
US  
**P&G Telephone Number:** 1-800-332-7787  
**Emergency 24-hr Telephone #:** CHEMTREC 1-800-424-9300

#### 2. Hazards Identification

##### Potential health effects

**Routes of exposure** Inhalation. Ingestion. Skin contact. Eye contact.  
**Eyes** Causes eye damage.  
**Skin** Contact may irritate or burn skin.  
**Inhalation** Irritating to mucous membranes.  
**Ingestion** Irritating to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Large ingestions may cause dizziness, incoordination, and headache.

**Potential environmental effects** May cause long-term adverse effects in the environment.

#### 3. Composition / Information on Ingredients

Components	CAS #	Percent
2-(2-BUTOXYETHOXY)ETHANOL	112-34-5	10-30
2-PHENOXYETHANOL	122-99-6	2.5 - 10
MONOETHANOLAMINE	141-43-5	1-5

#### 4. First Aid Measures

##### First aid procedures

**Eye contact** Immediately rinse with water for several minutes. Hold eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention.  
**Skin contact** Wash skin with soap and water. Rinse with plenty of water. Get medical attention if irritation develops and persists.  
**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.  
**Ingestion** Call a physician or poison control center immediately. Do NOT induce vomiting. Rinse mouth thoroughly with water and give large amounts of milk or water, if person is conscious. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give liquid to an unconscious person.

## 5. Fire Fighting Measures

<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water. Water spray. Dry powder. Carbon dioxide (CO2).
<b>Protection of firefighters</b>	
<b>Protective equipment and precautions for firefighters</b>	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Wear suitable protective clothing.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
<b>Clean-up methods and materials and containment measures</b>	In case of spills, beware of slippery floors and surfaces. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.  Never return spills to original containers for re-use.

## 7. Handling and Storage

<b>Handling</b>	Use personal protective equipment as required. Use only in area provided with appropriate exhaust ventilation. Do not get this material in contact with skin or eyes. Wash hands thoroughly after handling. Keep out of reach of children.
<b>Storage</b>	Store in properly labeled containers. Keep container tightly closed in a cool, well-ventilated place. Store in accordance with local/regional/national/international regulation.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value
MONOETHANOLAMINE (141-43-5)	STEL	6 ppm
	TWA	3 ppm

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
MONOETHANOLAMINE (141-43-5)	PEL	6 mg/m3
		3 ppm

<b>Engineering controls</b>	Provide adequate ventilation. Provide easy access to water supply and eye wash facilities.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Wear chemical goggles or face shield.
<b>Skin protection</b>	Rubber gloves.
<b>Respiratory protection</b>	Not normally needed.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

<b>Color</b>	Dark violet.
<b>Form</b>	Liquid.
<b>Odor</b>	Pine
<b>pH</b>	11 - 12
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.

<b>Boiling point</b>	180 - 212 °F (82.22 - 100 °C)
<b>Flash point</b>	> 175.00 °F (> 79.44 °C)
<b>Evaporation rate</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Specific gravity</b>	1.02
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>VOC</b>	4.46 %
<b>Percent volatile</b>	71 %

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	This is a stable material. Risk of ignition.
<b>Conditions to avoid</b>	Heat, flames and sparks. Do not mix with other chemicals.
<b>Hazardous decomposition products</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Toxicological data

#### Components

#### Test Results

2-(2-BUTOXYETHOXY)ETHANOL (112-34-5)	Acute Dermal LD50 Rabbit: 2700 mg/kg Acute Oral LD50 Guinea pig: 2000 mg/kg Acute Oral LD50 Mouse: 2400 mg/kg Acute Oral LD50 Rabbit: 2200 mg/kg Acute Oral LD50 Rat: 4500 mg/kg Acute Other LD50 Mouse: 850 mg/kg Acute Other LD50 Rat: 500 mg/kg
2-PHENOXYETHANOL (122-99-6)	Acute Oral LD50 Mouse: 16500 mg/kg Acute Oral LD50 Rat: 1260 mg/kg
MONOETHANOLAMINE (141-43-5)	Acute Dermal LD50 Rabbit: 1025 mg/kg Acute Oral LD50 Guinea pig: 620 mg/kg Acute Oral LD50 Mouse: 700 mg/kg Acute Oral LD50 Rat: 10.2 g/kg Acute Other LD50 Mouse: 50 mg/kg Acute Other LD50 Rat: 67 mg/kg

<b>Sensitization</b>	Not available.
<b>Acute effects</b>	Causes burns.
<b>Local effects</b>	Irritating to respiratory system.
<b>Skin corrosion/irritation</b>	Hazardous by OSHA criteria.

## 12. Ecological Information

<b>Environmental effects</b>	Based on ecotoxicity and fate data for the individual ingredients in this specific formulation, and for related consumer household cleaning products formulations, this product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment at relevant environmental concentrations. This product is intended for dispersive use and should not be disposed of directly into the environment.
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## 13. Disposal Considerations

### Disposal instructions

This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

## 14. Transport Information

### DOT

#### Basic shipping requirements:

**Proper shipping name** Corrosive liquid, basic, inorganic, n.o.s. (monoethanolamine, 1-octyl 2-pyrrolidinone) LTD QTY [may be shipped as a CONSUMER COMMODITY ORM-D through 12/31/2013]  
**Hazard class** 8  
**UN number** 3266  
**Packing group** III  
**Additional information:**  
**ERG number** 154

### IMDG

#### Basic shipping requirements:

**Proper shipping name** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (monoethanolamine, 1-octyl 2-pyrrolidinone), LTD QTY  
**Hazard class** 8  
**UN number** 3266  
**Packing group** III

### IATA

#### Basic shipping requirements:

**Proper shipping name** Corrosive liquid, basic, inorganic, n.o.s. (monoethanolamine, 1-octyl 2-pyrrolidinone), LTD QTY  
**Hazard class** 8  
**UN number** 3266  
**Packing group** III

### Notes

DO NOT SHIP BY AIR. Does not meet packaging requirements for air shipments.

## 15. Regulatory Information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
CERCLA/SARA Hazardous Substances - Not applicable.

#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

2-(2-BUTOXYETHOXY)ETHANOL (CAS 112-34-5)	1.0 % N230
2-PHENOXYETHANOL (CAS 122-99-6)	1.0 % N230

#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

2-(2-BUTOXYETHOXY)ETHANOL (CAS 112-34-5)	Listed. N230
2-PHENOXYETHANOL (CAS 122-99-6)	Listed. N230

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories**  
Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**ILLRTK**

Contains no Illinois Right To Know toxic substances.

**US - Connecticut Hazardous Material Survey: Listed substance**

MONOETHANOLAMINE (CAS 141-43-5) LISTED

**US - Illinois Chemical Safety Act: Listed substance**

GLYCOL ETHERS (CAS 112-34-5) GLYCOL ETHERS

GLYCOL ETHERS (CAS 122-99-6) GLYCOL ETHERS

**US - Massachusetts RTK - Substance: Listed substance**

MONOETHANOLAMINE (CAS 141-43-5) LISTED

**US - New Jersey Community RTK (EHS Survey): Listed substance**

2-(2-BUTOXYETHOXY)ETHANOL (CAS 112-34-5) LISTED GLYCOL ETHERS (EXCEPT SURFACTANTS)

2-PHENOXYETHANOL (CAS 122-99-6) LISTED GLYCOL ETHERS (EXCEPT SURFACTANTS)

**US - New Jersey RTK - Hazardous substance**

GLYCOL ETHERS (CAS 112-34-5) GLYCOL ETHERS

GLYCOL ETHERS (CAS 122-99-6) GLYCOL ETHERS

**US - New Jersey RTK - Special Hazard: Listed substance**

MONOETHANOLAMINE (CAS 141-43-5) ETHANOLAMINE SPEC\_HAZAROUS

**US - New Jersey RTK - Substances: Listed substance**

2-(2-BUTOXYETHOXY)ETHANOL (CAS 112-34-5) GLYCOL ETHERS LISTED

2-PHENOXYETHANOL (CAS 122-99-6) GLYCOL ETHERS LISTED

MONOETHANOLAMINE (CAS 141-43-5) ETHANOLAMINE LISTED

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

2-(2-BUTOXYETHOXY)ETHANOL (CAS 112-34-5) LISTED

2-PHENOXYETHANOL (CAS 122-99-6) LISTED

MONOETHANOLAMINE (CAS 141-43-5) LISTED

**US - Rhode Island RTK - Hazardous Substances: Listed substance**

MONOETHANOLAMINE (CAS 141-43-5) LISTED

**Canadian regulations** All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Further information** HMIS® is a registered trade and service mark of the NPCA.

**Inventory Status**

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

**HMIS® ratings**

Health: 3\*  
Flammability: 2  
Physical hazard: 1

**NFPA ratings**

Health: 3  
Flammability: 2  
Instability: 1

**Disclaimer**

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.