

Procter & Gamble

Professional[®]

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name P&G Pro Line Heavy Duty Spray Cleaner - Ready to Use
Product Code 95429972
Version # 10
Revision date 01-31-2012
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 Ingestion. Inhalation. Skin contact. Eye contact.

Eyes Health injuries are not known or expected under normal use. Accidental exposure to the eyes may produce a mild but transient irritation.

Skin Health injuries are not known or expected under normal use. Substance does not generally irritate and is only mildly irritating to the skin.

Inhalation Health injuries are not known or expected under normal use.

Ingestion Health injuries are not known or expected under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Potential environmental effects Considering the limited amount applied during use and the size of the container, the risk of adverse effects is considered small.

3. Composition / Information on Ingredients

Components	CAS #	Percent
ALKYL BENZENE SULFONATE	68081-81-2	1-5
SODIUM CARBONATE	497-19-8	1-5
MONOETHANOLAMINE	141-43-5	0.1-1

4. First Aid Measures

First aid procedures

Eye contact After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

Skin contact Rinse with plenty of water. Get medical attention if irritation develops and persists.

Inhalation Move to fresh air.

Ingestion Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention if any discomfort continues.

5. Fire Fighting Measures

Environmental precautions Prevent further leakage or spillage if safe to do so.

Extinguishing media

Suitable extinguishing media Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Protection of firefighters

Protective equipment and precautions for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental Release Measures

Personal precautions Keep unnecessary personnel away. Wear suitable protective clothing.

Environmental precautions Prevent further leakage or spillage if safe to do so.

Clean-up methods and materials and containment measures 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.

7. Handling and Storage

Handling Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of reach of children.

Storage Store in a cool and well-ventilated place. Keep from freezing.

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	3 ppm
		6 mg/m ³

Engineering controls Provide adequate ventilation.

Personal protective equipment

Eye / face protection Not normally needed.

Skin protection Not normally needed. If prolonged or repeated contact is likely, protective gloves are recommended. Neoprene gloves. Rubber gloves.

Respiratory protection Not normally needed.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Color Light purple

Odor Scented

Odor threshold Not available.

Physical state Liquid.

pH 10.4

Melting point Not available.

Freezing point Not available.

Boiling point Not available.

Flash point > 201 °F (> 93.9 °C)

Evaporation rate Not available.

Vapor pressure	Not available.
Specific gravity	1.12
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available
VOC	0.4 %
Percent volatile	80.3 % estimated

10. Chemical Stability & Reactivity Information

Chemical stability	This is a stable material.
Conditions to avoid	None known.
Hazardous decomposition products	None known.
Hazardous polymerization	Will not occur.

11. Toxicological Information

Toxicological data

Components

Test Results

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

SODIUM CARBONATE (497-19-8)

Acute Inhalation LC50 Guinea pig: 0.8 mg/l 2 Hours

Acute Inhalation LC50 Mouse: 1.2 mg/l 2 Hours

Acute Inhalation LC50 Rat: 2.3 mg/l 2 Hours

Acute Oral LD50 Rat: 4090 mg/kg

Acute Other LD50 Mouse: 116.6 mg/kg 30 Days

Acute Oral LD50 Rat: 0.7 - 1.3 g/kg

ALKYL BENZENE SULFONATE (68081-81-2)

Sensitization Not available.

Chronic effects Not available.

Skin corrosion/irritation Not available.

12. Ecological Information

Environmental effects

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.

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

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

15. Regulatory Information**US federal regulations****US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration**

DIETHYLENE GLYCOL MONOBUTYL ETHER (CAS 112-34-5) 1.0 % N230

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

DIETHYLENE GLYCOL MONOBUTYL ETHER (CAS 112-34-5) Listed. N230

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	No
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State regulations**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

US - Massachusetts RTK - Substance: Listed substance

Contains no Massachusetts Right To Know substances.

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

DIETHYLENE GLYCOL MONOBUTYL ETHER (CAS 112-34-5) LISTED GLYCOL ETHERS (EXCEPT SURFACTANTS)

US - New Jersey RTK - Hazardous substance

GLYCOL ETHERS (CAS 112-34-5) 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

DIETHYLENE GLYCOL MONOBUTYL ETHER (CAS 112-34-5) GLYCOL ETHERS LISTED

MONOETHANOLAMINE (CAS 141-43-5) ETHANOLAMINE LISTED

US - Pennsylvania RTK - Hazardous Substances: Listed substance

DIETHYLENE GLYCOL MONOBUTYL ETHER (CAS 112-34-5) 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.

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: 2
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 1
Instability: 0

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.