

Procter&Gamble

Professional®

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name P&G Pro Line Heavy Duty Spray Cleaner (64) - diluted for use per label instructions
Product Code 98668774d
Version # 03
Revision date 11-01-2010
Manufacturer Address Procter & Gamble Professional
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 will cause a mild but transient irritation.

Skin

Health injuries are not known or expected under normal use. May cause skin irritation.

Inhalation

Health injuries are not known or expected under normal use. Vapors may irritate mucous membranes.

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
2-AMINOETHANOL	141-43-5	0.5-1.5

4. First Aid Measures

First aid procedures

Eye contact

Flush thoroughly with water. If irritation occurs, get medical assistance. Remove contact lenses, if present and easy to do.

Skin contact

Wash affected area with mild soap and water. Get medical attention if irritation develops and persists.

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Ingestion

Rinse mouth thoroughly. Get medical attention if any discomfort occurs.

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

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. Flush with plenty of water to clean spillage area.

7. Handling and Storage

Handling

Use care in handling/storage. Avoid release to the environment.

Storage

Store in properly labeled containers. 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
2-AMINOETHANOL (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
2-AMINOETHANOL (141-43-5)	PEL	3 ppm
		6 mg/m ³

Engineering controls

Provide adequate ventilation.

Personal protective equipment

Eye / face protection

If risk of splashing, wear safety goggles or face shield.

Skin protection

Not normally needed. If prolonged or repeated contact is likely, protective gloves are recommended. Recommended gloves include rubber or neoprene.

Respiratory protection

Not normally needed.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Color	Light violet
Odor	Pine
Odor threshold	Not available.
Physical state	Liquid.
pH	11.1
Melting point	Not available.
Freezing point	32 °F (0 °C)
Boiling point	212 °F (100 °C)
Flash point	>= 201 °F (>= 93.9 °C)
Evaporation rate	Not available.
Vapor pressure	Not available.
Specific gravity	1.002
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available
VOC	0.98679 % estimated

Percent volatile 93.6297 % estimated

10. Chemical Stability & Reactivity Information

Chemical stability This is a stable material.
Conditions to avoid None known.
Hazardous decomposition products No hazardous decomposition products are known.
Hazardous polymerization Will not occur.

11. Toxicological Information

Toxicological data

Components

Test Results

2-AMINOETHANOL (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

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 in accordance with all applicable 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

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

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

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical

No

State regulations

ILLRTK

Contains no Illinois Right To Know toxic substances.

US - Connecticut Hazardous Material Survey: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED

US - Massachusetts RTK - Substance: Listed substance

Contains no Massachusetts Right To Know substances.

US - New Jersey RTK - Special Hazard: Listed substance

2-AMINOETHANOL (CAS 141-43-5) SPEC_HAZAROUS

US - New Jersey RTK - Substances: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED

US - Pennsylvania RTK - Hazardous Substances: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED

US - Rhode Island RTK - Hazardous Substances: Listed substance

2-AMINOETHANOL (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: 3*
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 3
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.