

Procter & Gamble

Professional[®]

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Spic & Span Disinfecting All-Purpose Spray & Glass Cleaner - concentrate
Product Code 15154200
Version # 10
Revision date 04-05-2011
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 Inhalation. Ingestion. Skin contact. Eye contact.
Eyes Corrosive. Causes severe or permanent 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
ETHANOL	64-17-5	10-30
2-AMINOETHANOL	141-43-5	3-7
QUATERNARY AMMONIUM COMPOUNDS, BENZYLCOCO ALKYL DIMETHYL, CHLORIDES	61789-71-7	0.1-1
QUATERNARY AMMONIUM COMPOUNDS, C12-14-ALKYL[(ETHYLPHENYL)METHYL]DIMETHYL, CHLORIDES	85409-23-0	0.1-1

4. First Aid Measures

First aid procedures

Eye contact Immediately rinse with water for several minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Skin contact Remove contaminated clothing. Continue to rinse for at least 15 minutes. 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. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If victim is fully conscious, give a cupful of water. If medical advice is needed, have product container or label at hand.

Notes to physician If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

5. Fire Fighting Measures

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Extinguishing media

Suitable extinguishing media Water. Water spray. Dry powder. Carbon dioxide (CO₂).

Protection of firefighters

Specific hazards arising from the chemical Fire may produce irritating, corrosive and/or toxic gases.

Protective equipment and precautions for firefighters Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

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. Do not contaminate water.

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.

Never return spills in original containers for re-use.

7. Handling and Storage

Handling 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.

Storage Keep away from heat and sources of ignition. Keep container tightly closed in a cool, well-ventilated place. Have emergency equipment readily available.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
2-AMINOETHANOL (141-43-5)	STEL	6.0000 ppm
ETHANOL (64-17-5)	TWA	3.0000 ppm
	STEL	1000.0000 ppm

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

Components	Type	Value
2-AMINOETHANOL (141-43-5)	PEL	3.0000 ppm
ETHANOL (64-17-5)	PEL	6.0000 mg/m ³
		1000.0000 ppm
		1900.0000 mg/m ³

Engineering controls Provide adequate ventilation. Provide easy access to water supply and eye wash facilities.

Personal protective equipment

Eye / face protection Wear chemical goggles or face shield.

Skin protection Rubber gloves.

Respiratory protection Not normally needed.

General hygiene considerations Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Color Dark blue.

Odor	Scented
Odor threshold	Not available.
Physical state	Liquid.
pH	11.2
Melting point	Not available.
Freezing point	Not available.
Boiling point	175 °F (79.4 °C)
Flash point	97 °F (36.1 °C)
Evaporation rate	Not available.
Vapor pressure	Not available.
Specific gravity	0.94
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available
VOC	23.56 % estimated
Percent volatile	65.347 % estimated

10. Chemical Stability & Reactivity Information

Chemical stability	This is a stable material.
Conditions to avoid	Keep away from heat, sparks and open flame.
Hazardous decomposition products	Irritants.
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
 Acute Oral LD50 Rat: 200 - 2000 mg/kg

QUATERNARY AMMONIUM COMPOUNDS, BENZYLCOCO
 ALKYL DIMETHYL, CHLORIDES (61789-71-7)

ETHANOL (64-17-5)

Acute Inhalation LC50 Mouse: 0.039 mg/l 4.00 Hours
 Acute Inhalation LC50 Rat: 20000 mg/l 10.00 Hours
 Acute Oral LD50 Dog: 5.5 g/kg
 Acute Oral LD50 Guinea pig: 5.6 g/kg
 Acute Oral LD50 Mouse: 3450 mg/kg
 Acute Oral LD50 Rat: 7060 mg/kg
 Acute Oral LD50 Rat: 6.2 g/kg
 Acute Other LD50 Mouse: 933 mg/kg
 Acute Other LD50 Rat: 1440 mg/kg
 Acute Oral LD50 Rat: 200 - 2000 mg/kg

QUATERNARY AMMONIUM COMPOUNDS,
 C12-14-ALKYL[(ETHYLPHENYL)METHYL]DIMETHYL, CHLORIDES
 (85409-23-0)

Sensitization	Not available.
Local effects	Risk of serious damage to eyes. Harmful in contact with skin and if swallowed. Irritating to respiratory system.
Chronic effects	Hazardous by OSHA criteria.
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

Waste codes D001: Waste Flammable material with a flash point <140 F

Disposal instructions Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

Dispose of container in accordance with label instructions.

14. Transport Information

DOT

Basic shipping requirements:

Proper shipping name DISINFECTANTS, LIQUID, CORROSIVE, N.O.S. (2-AMINOETHANOL), LTD QTY
[may be shipped as a CONSUMER COMMODITY ORM-D through 12/31/2013]

Hazard class 8

UN number 1903

Packing group III

Additional information:

ERG number 153

IMDG

Basic shipping requirements:

Proper shipping name Disinfectants, liquid, corrosive, n.o.s. (2-AMINOETHANOL), LTD QTY

Hazard class 8

UN number 1903

Packing group III

IATA

Basic shipping requirements:

Proper shipping name Disinfectants, liquid, corrosive, n.o.s. (2-AMINOETHANOL), LTD QTY

Hazard class 8

UN number 1903

Packing group III

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

15. Regulatory Information

US federal regulations This is an EPA-registered pesticide (Registration No. 6836-244-3573). FIFRA-regulated products are not subject to TSCA.

CERCLA (Superfund) reportable quantity

ETHANOL: 100.0000

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

ILLRTK

Contains no Illinois Right To Know toxic substances.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

ETHANOL (CAS 64-17-5) ALCOHOLIC BEVERAGES, WHEN ASSOCIATED WITH ALCOHOL ABUSE
ETHYL ALCOHOL IN ALCOHOLIC BEVERAGES

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

ETHANOL (CAS 64-17-5) ALCOHOLIC BEVERAGES, WHEN ASSOCIATED WITH ALCOHOL ABUSE

US - Connecticut Hazardous Material Survey: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED
ETHANOL (CAS 64-17-5) LISTED

US - Massachusetts RTK - Substance: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED
ETHANOL (CAS 64-17-5) LISTED

US - New Jersey RTK - Special Hazard: Listed substance

2-AMINOETHANOL (CAS 141-43-5) SPEC_HAZAROUS
ETHANOL (CAS 64-17-5) SPEC_HAZAROUS

US - New Jersey RTK - Substances: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED
ETHANOL (CAS 64-17-5) LISTED

US - Pennsylvania RTK - Hazardous Substances: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED
ETHANOL (CAS 64-17-5) LISTED

US - Rhode Island RTK - Hazardous Substances: Listed substance

2-AMINOETHANOL (CAS 141-43-5) LISTED
ETHANOL (CAS 64-17-5) 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	No

*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: 4*
Flammability: 3
Physical hazard: 0

NFPA ratings

Health: 4
Flammability: 3
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.