

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 # 15
Revision date 02-25-2014
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

Corrosive. Causes severe or permanent damage.

Skin

Corrosive effects.

Inhalation

Vapors and spray mist may irritate throat and respiratory system and cause coughing.

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 ALKYLDIMETHYL, 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.

This product will not support sustained combustion when in contact with open flame above the indicated flash point.

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.

Auto-ignition temperature

703.04 °F (372.8 °C) estimated

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 to 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 ppm
	TWA	3 ppm
ETHANOL (64-17-5)	STEL	1000 ppm

Engineering controls

Provide adequate ventilation.
Provide suitable eye and skin flushing facilities.

Personal protective equipment

Eye / face protection

If potential for splash, wear appropriate eye protection.

Skin protection

If contact is expected, wear appropriate protective 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.
Form	Liquid.
Odor	Scented
pH	11.2
Melting point	-125.9 °F (-87.699320883 °C) estimated
Freezing point	-125.9 °F (-87.699320883 °C) estimated
Boiling point	175 °F (79.44 °C)
Flash point	97.00 °F (36.11 °C)
Evaporation rate	Not available.
Vapor pressure	28.870495599 hPa estimated
Specific gravity	0.94
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available
VOC	23.56 % estimated
Percent volatile	65.347 % estimated
Density	0.84 g/cm ³ 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
ALKYLDIMETHYL, CHLORIDES (61789-71-7)

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

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

This product will not support sustained combustion.

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

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.

US CERCLA Hazardous Substances: Reportable quantity

ETHANOL (CAS 64-17-5)

US CERCLA Hazardous Substances: Reportable quantity RCRA HAZARDOUS WASTE NO. D001 - 100 lbs

US CERCLA Hazardous Substances: Reportable quantity UNLISTED HAZARDOUS WASTES CHARACTERISTIC OF IGNITABILITY 100 lbs

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
ETHANOL IN ALCOHOLIC BEVERAGES
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
ETHANOL IN ALCOHOLIC BEVERAGES

US - Connecticut Hazardous Material Survey: Listed substance

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

US - Illinois Chemical Safety Act: Listed substance

RCRA HAZARDOUS WASTE NO. D001 (CAS 64-17-5) RCRA HAZARDOUS WASTE NO. D001
UNLISTED HAZARDOUS WASTES CHARACTERISTIC OF IGNITABILITY

US - Massachusetts RTK - Substance: Listed substance

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

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

US - New Jersey RTK - Hazardous substance

US - New Jersey RTK - Special Hazard: Listed substance

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

US - New Jersey RTK - Substances: Listed substance

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

Contains no Rhode Island Right To Know hazardous substances.

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: 3
Flammability: 3
Physical hazard: 0

NFPA ratings

Health: 3
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.