

# Procter & Gamble

## Professional<sup>®</sup>

### MATERIAL SAFETY DATA SHEET

#### 1. Product and Company Identification

**Material name** Joy Manual Pot and Pan Detergent - concentrate  
**Product Code** 95122111  
**Version #** 04  
**Revision date** 11-03-2010  
**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

Inhalation. Ingestion. 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 transient irritation. Prolonged or repeated contact may be drying to 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
ETHANOL	64-17-5	1-5

#### 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 water if prolonged contact occurs. Get medical attention if irritation develops and persists.

###### Inhalation

Move to fresh air.

###### Ingestion

Drink 1 or 2 glasses of water. If ingestion of a large amount does occur, call a poison control center immediately.

#### 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 (CO<sub>2</sub>).

## Protection of firefighters

### Specific hazards arising from the chemical

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.

## 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
ETHANOL (64-17-5)	STEL	1000 ppm

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

Components	Type	Value
ETHANOL (64-17-5)	PEL	1000 ppm 1900 mg/m <sup>3</sup>

### Engineering controls

Provide adequate ventilation.

### Personal protective equipment

#### Eye / face protection

Not normally needed.

#### Skin protection

Not normally needed. For prolonged or repeated skin contact use suitable protective gloves. 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

Yellow

### Odor

Lemon

### Odor threshold

Not available.

### Physical state

Liquid.

### pH

8.7 - 9.3

### Melting point

Not available.

### Freezing point

30 °F (-1.1 °C)

### Boiling point

Not available.

### Flash point

115 - 135 °F (46.1 - 57.2 °C) Does not sustain combustion.

### Evaporation rate

Not available.

### Vapor pressure

Not available.

### Specific gravity

1

### Solubility (water)

Not available.

### Partition coefficient (n-octanol/water)

Not available

### VOC

5.1514 % estimated

Percent volatile 62.975 % 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** No hazardous decomposition products are known.  
**Hazardous polymerization** Will not occur.

## 11. Toxicological Information

### Toxicological data

#### Components

#### Test Results

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

**Sensitization** Not available.  
**Local effects** Contact may irritate or burn eyes.  
**Chronic effects** Hazardous by OSHA criteria. Hazardous by WHMIS 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** Not regulated. Product is an aqueous solution that contains less than 24% alcohol.  
**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

**Further information** Product is an aqueous solution of <24% ethanol.

### DOT

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

## 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 (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** Yes

### 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

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

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

#### US - California Proposition 65 - CRT: Listed date/Developmental toxin

ETHANOL (CAS 64-17-5) ETHYL ALCOHOL IN ALCHOLIC BEVERAGES

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

ETHANOL (CAS 64-17-5) LISTED

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

ETHANOL (CAS 64-17-5) LISTED

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

ETHANOL (CAS 64-17-5) SPEC\_HAZAROUS

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

ETHANOL (CAS 64-17-5) LISTED

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

ETHANOL (CAS 64-17-5) LISTED

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

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	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: 2  
Physical hazard: 0

### NFPA ratings

Health: 2  
Flammability: 2  
Instability: 0  
Special hazards:

**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.