

Procter & Gamble

MATERIAL SAFETY DATA SHEET

MSDS Identifier

P&G Purifier of Water

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SECTION I – CHEMICAL / PRODUCT AND COMPANY IDENTIFICATION		
THE PROCTER & GAMBLE COMPANY Mason Business Center 8700 Mason Montgomery Road Mason, OH 45040-9462	RATING KEY 4=EXTREME 3=HIGH 2=MODERATE 1=SLIGHT	Hazard Rating Health: 1 Flammability: 0 Reactivity: 0
EMERGENCY PHONE:	Transportation Emergency (24 hour) Telephone Number: CHEMTREC: 1-800-424-9300 in the U.S. and Canada; 1-703-527-3887 for calls originating elsewhere or call the Poison Control Center	Prepared by: Jill Karner, CIH Issue Date: January 25, 2012 Last Reviewed: 1/20/2012
Material Name:	P&G Purifier of Water	

SECTION II – COMPOSITION AND INGREDIENTS			
Hazardous ingredients as defined by OSHA, 29 CFR 1910.1200, and/or WHMIS under the HPA. These substances are listed because in their pure bulk form, they meet the OSHA definition of hazardous. Any hazards associated with this finished product are listed in Section III of this MSDS.			
Principal Hazardous Components:	CAS Number	Conc. %	Exposure Limit/LC50/LD50
Iron (III) sulphate	10028-22-5	30 - 60	1 mg/m ³ (ACGIH)
Sodium carbonate	497-19-8	10 - 30	Oral LD50 rat 4,090 mg/kg

SECTION III – HAZARDS IDENTIFICATION	
Emergency Overview: This mixture is a product regulated by the EPA. Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions.	
Eye:	Mild to moderate irritation.
Skin:	Mild to moderate irritation.
Inhalation:	Mild to moderate irritation of the mucous membranes.
Ingestion:	Indigestion or diarrhea, mild mucous membrane irritant.

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SECTION IV – FIRST AID MEASURES	
Eye:	Flush eyes with water for 15 minutes. Get medical attention if irritation persists.
Skin:	Remove contaminated clothing. Immediately flush skin with water for 15 minutes. Get medical attention if irritation persists.
Inhalation:	If inhalation causes irritation, remove to fresh air. Get medical attention if irritation persists.
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.
Additional First Aid Measures: Have the product container or label with you when consulting a poison control center or doctor, or going for treatment.	

SECTION V – FIRE FIGHTING MEASURES			
Flash Point:	Not Applicable	Flash Point test method:	Not Applicable
Auto-ignition Temperature:	<input checked="" type="checkbox"/> Not applicable <input type="checkbox"/> Not available <input type="checkbox"/> deg. C <input type="checkbox"/> deg F.	Flammable Limits (% by volume in air)	LEL % UEL %
Extinguishing Media:	Use alcohol foam, carbon dioxide, or water spray.		
Explosion Hazards:	Material will not burn.		
Special Instructions:	None		

SECTION VI – ACCIDENTAL RELEASE MEASURES	
Personal Safeguards:	Avoid excessive contact and contact with the eyes.
Environmental Precautions:	Contain spilled material. This material is not known to possess additional hazards when spilled, beyond those of other non-hazardous solids.
Spill Clean-up Procedures:	<i>Industrial:</i> Contain spilled material. If excessive dust is created, wear respirator <i>Household:</i> Product used in household may be disposed of in refuse or sewer.

SECTION VII – HANDLING AND STORAGE	
Recommended Storage Temperature:	None
Personal Precautions for Safe Storage and Handling:	Avoid contact with eyes, skin, and clothing. Avoid breathing dust.
Conditions for Safe Storage:	Store in a clean, dry, well ventilated place. Store away from heat, humidity and sunlight.
Other Precautions:	Keep out of reach of children.

SECTION VIII – EXPOSURE CONTROLS, PERSONAL PROTECTION	
This section only applies to the product when used in an <u>industrial setting</u> .	
Ventilation:	May need local exhaust ventilation for control.
Eye Protection:	Chemical goggles are needed to avoid eye hazard.
Respiratory Protection:	If dust levels are above exposure guidelines, use approved air purifying respirator with combination cartridge for dust and acid-gas.
Skin Protection:	Neoprene gloves are recommended.
Other Special Protection:	None

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SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES			
Appearance / Color:	Off white to yellow or light brown powder	Melting Point:	Not applicable
Odor:	Chlorine odor	Boiling Point:	Not applicable
Odor Threshold:	Not available	Solubility in Water:	Soluble
Physical State:	Solid	Vapor Pressure (mm Hg):	Not applicable
Vapor Density:	Not available	Specific Gravity (H ₂ O=1):	Not applicable
pH:	1% solution = 7.0	Other Data:	Product complies with State and Federal regulations for VOC content.

SECTION X – STABILITY AND REACTIVITY	
Stability:	Stable
Possibility of Hazardous Reaction:	None known
Incompatibility: (Materials to avoid)	Avoid contact with ammonia
Hazardous Decomposition Products:	None known

SECTION XI – TOXICOLOGICAL INFORMATION	
Chronic Effects:	No chronic health effects reported.
Target Organs:	No target organs reported.
Carcinogenicity:	This finished consumer product is not carcinogenic.
NTP:	No
IARC:	No

SECTION XII – ECOLOGICAL INFORMATION
<p>Relevant ecotoxicity and fate data for ingredients in this formulation have been reviewed. Under normal and foreseeable consumer uses, there are no concerns for aquatic organisms exposed to product ingredients at the anticipated environmental concentrations. The product is compatible with down-the-drain disposal routes, including municipal wastewater treatment processes and septic tank systems. This product is intended for dispersive use and should not be disposed of directly into the environment.</p>

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SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal is to be performed in compliance with Federal, State/Provincial and Local regulations.

Households: Product used in household may be disposed of in refuse or sewer. Discard floc/sediment/particulates from the water treatment process in the latrine [toilet] [utility sink] or on the ground away from children and animals.

Industrial Setting:

Agency	Classification
US EPA	Not considered a hazardous waste under United States Resource Conservation and Recovery Act when disposed of according to labeled directions.

SECTION XIV – TRANSPORTATION

Agency	Classification
US DOT (transportation by ground)	Non-Regulated
IMDG (transportation by sea)	Non-Regulated
IATA (transportation by air)	Non-Regulated

SECTION XV – ADDITIONAL REGULATORY INFORMATION

The product(s) described in this Material Safety Data Sheet are regulated under the EPA and are safe to use as per directions on container, box or accompanying literature (where applicable).

US Federal:

TSCA – All intentionally-added components of this product are listed on the US TSCA Inventory.

SARA 313/302/304/311/312 chemicals: Sodium carbonate (311, 312), Potassium permanganate (313), Polyacrylamide (302, 304)

FIFRA - This product is an EPA registered pesticide, EPA Reg. No. 3573-90

US States:

California: This product has been evaluated and does not require warning labeling under California Proposition 65.

State Right-to-Know and CERCLA: The following ingredients present in the finished product are listed on state right-to-know lists or state work exposure lists.

Ingredient(s)	CERCLA RQ	State(s)
Iron (III) sulphate	1,000 lbs	CA, CT, IL, LA, MA, MN, NC, NJ, NY, OR, PA, RI
Calcium hypochlorite (< 1% Conc.) (CAS #: 7778-54-3)	10 lbs	Below reporting threshold
Potassium permanganate (< 1% Conc.) (CAS#: 7722-64-7)	100 lbs	Below reporting threshold

SECTION XVI – OTHER INFORMATION

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.