



The Procter & Gamble Company
P&G Household Care
Fabric & Home Care Innovation Center
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Cincinnati, OH 45217-1087

MATERIAL SAFETY DATA SHEET

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Data supplied is for use only in connection with occupational safety and health.

SECTION I - PRODUCT IDENTIFICATION

Identity: **In-Wash Booster** **Finished Product**
Brands: **TIDE STAIN RELEASE BOOST UNIT DOSE**
(Original [99942074], Free [99942084], Febreze Sport [99942011])

P&G Telephone Number: 1-800-879-8433 or call Local Poison Control Center or your physician.
Emergency (24 hour) Telephone Number: CHEMTREC 1-800-424-9300 U.S. and Canada,
or 1-703-527-3887 - for calls originating elsewhere.

SECTION II - HAZARDS IDENTIFICATION

This product is considered an eye irritant/skin irritant/ingestion hazard/ within the meaning of the OSHA Hazard Communication Standard. Under normal conditions of use, no adverse health effects are expected.

Emergency Overview: If a large number of pouches are damaged, an irritating dust could be released into the air so the immediate area should be evacuated. When cleaning up a spill, if dust is evident, a respirator with a P100 HEPA cartridge should be worn. The product contains enzymes (respiratory sensitizer) and a strong oxidizing agent (sodium percarbonate). Spilled pouches should be picked up and not flushed to a sewer or surface waterway.

Potential Health Hazards (Acute and Chronic): (See Section XI for more information)

Ingestion: May cause transient gastrointestinal irritation.

Eye Contact: May cause moderate, reversible irritation.

Skin Contact: May cause mild transient irritation from repeated and prolonged contact.

Inhalation: May result in sensitization from repeated, prolonged exposure to the powder due to the presence of enzymes and sodium percarbonate which is irritating to the mucous lining of the nose, throat and eyes.

Signs and Symptoms of Exposure:

Ingestion: May result in nausea, vomiting or diarrhea.

Eye Contact: May result in stinging, tearing, swelling or redness.

Skin Contact: May cause mild, transient irritation.

Inhalation: May cause transient "hay-fever like" symptoms.

Medical Conditions Generally Known to be Aggravated by Exposure: Pre-existing sensitization to enzymes could cause asthma-like symptoms to occur.

Potential Environmental Effects: (See Section 12 for more information)

SECTION III - COMPOSITION AND INGREDIENTS

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200, and/or WHMIS under the HPA which contribute to the hazards identified in Section II:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Sodium percarbonate	15630-89-4	30 – 60 %	1.0 – 3 g/kg (rats, oral)
Sodium nonanyloxybenzenesulfonate	Mixture	10 – 30 %	
Sodium carbonate	497-19-8	10 – 30 %	1.9 g/kg (rats, oral)
Silicic acid, aluminum salt (zeolite)	1344-00-9	5 – 10 %	N/A
While not considered hazardous under OSHA 29 CFR 1910.1200, this product contains enzymes which Procter & Gamble has established an Occupational Exposure Guideline of 2.5 – 15 ng/m ³ .			

SECTION IV – FIRST AID INFORMATION

First Aid Procedures:

Ingestion: Rinse mouth with water. If irritation occurs or persists, seek medical attention.

Eye Contact: Rinse eyes with water for at least 15 minutes. If irritation persists, seek medical attention.

Skin Contact: Thoroughly wash and rinse the area with a mild soap and water. If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. If breathing difficulties occur, seek immediate medical attention.

Note to Physician: Treat symptomatically.

Other: Consumer product package has the following precautionary statement:

If swallowed, give a glass of water and call a Poison Control Center or doctor immediately. Do not induce vomiting. If in eyes, rinse well with water for 15 minutes. If on skin, rinse with water.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): N/A

Flammable Properties: Product can self react at elevated temperatures, releasing oxygen and steam.

Upper Flammable Limit: n/a

Lower Flammable Limit: n/a

Explosive Limits: UEL: unknown LEL: unknown

Auto-ignition Temperature: Unknown

Hazardous Combustion Products: Potential oxides of carbon, nitrogen and sulfur when burned in a fire.

Explosion Data (Sensitivity to Mechanical Impact): N/A

Explosion Data (Sensitivity to Static Discharge): For Powder: Kst = 34 bar-m/sec; Pmax = 5.8 bar

Extinguishing Media:

Suitable: Water, CO₂ or dry chemical

Unsuitable: not known

Protection of Firefighters:

Specific Hazards Arising from the Material: Product contains an oxidizer and enzymes.

Protective Equipment and Precautions for Firefighters: Standard turnout gear including SCBA

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: None required for intact pouches. A respirator with P100 HEPA cartridges and nitrile gloves should be worn when exposure to large quantities of the powder are possible.

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. This product has self-reactive properties, but is not classified as D003 under Federal RCRA regulations (40 CFR 261).

Methods for Containment: None required for intact pouches. Broken pouches should be diked to prevent release to a sewer or surface waterway.

Methods for Cleanup: Scoop or shovel spilled material into a drum or bucket and dispose of following all Federal, State and Local Regulations.

Other Information: Bulk: Do not return swept-up material to the original container or storage. Damp material may give off oxygen or steam. See Section XIII for additional information.

SECTION VII – HANDLING AND STORAGE

Precautions To Be Taken in Handling: Prevent exposures to product dust.

Precautions To Be Taken in Storage: Store in a cool, dry location. Keep product dry.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: None for intact pouches. The exposure guideline for the powder portion is 15 mg/m³ (OSHA PEL for total dust). P&G's OEG for enzyme exposures is 2.5 – 15 ng/m³

Engineering Controls: None required for intact pouches.

Personal Protective Equipment (PPE):

Eye/Face Protection: None required for normal consumer use. In an industrial setting, safety glasses with side shields should be worn.

Skin Protection: None required for normal consumer use. In an industrial setting, butyl or nitrile gloves should be worn.

Respiratory Protection: None required for normal consumer use. In an industrial setting a respirator with P100 cartridges should be worn when exposed to product dust

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape):
Transparent pouch with dual compartments. One containing a white powder with blue speckles the other a liquid (orange or translucent for Free).

Odor: Perfumed

Odor Threshold: N/A

Physical State: Two compartment pouch

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Boiling Point: N/A

Partition Coefficient (n-octanol/water): N/A

Volatile Organic Compound (VOC): Not applicable - Product not regulated for VOC Content at State or Federal level.

Flash Point (Method Used): Non flammable

Reserve Alkalinity: N/A

Solubility in Water: Soluble

Decomposition Temperature: N/K

Evaporation Rate (nBuOAc=1): N/K

Specific Gravity: 1.05 – 1.08 gm/cm³

Density: 800gm/L +/- 100gm/L

Melting/Freezing Point: N/K

pH (10 % solution): powder is 9.6
liquid is 8.4

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal household conditions. No decomposition if stored and used according to instructions.

Conditions to Avoid: Temperatures above 120 F; high humidity

Incompatible Materials: Metals, metallic salts, acids, alkalis and reducing agents

Hazardous Decomposition Products: Steam, oxygen and oxides of carbon, nitrogen and sulfur.

Possibility of Hazardous Reactions: Contains sodium percarbonate, an oxidizer.

SECTION XI - TOXICOLOGICAL INFORMATION

Chronic Effects: Possible enzyme sensitization.

Target Organs: Respiratory system.

Carcinogenicity: While not tested as a whole, none of the components in this product have been found to be carcinogenic

NTP: No

IARC: No

SECTION XII - ECOLOGICAL INFORMATION

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.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. This product has self-reactive properties, but is not classified as D003 under Federal RCRA regulations (40 CFR 261).

Non-Household Setting (US Federal): The products covered by this MSDS do not meet the definition of a RCRA Hazardous waste (40 CFR 261).

SECTION XIV - TRANSPORT INFORMATION

Ground Transport (US DOT):

Product has been classified by the US DOT as a 4.1 Self-reactive, Type G material. Per the US DOT regulations for 4.1 G materials, this product is not subject to provisions of the Hazardous Materials Regulations (49 CFR 173.124 (a)(2)(i) (E)).

Air Transport (IATA): Product is classified as 4.1 Self-reactive, Type G material

Marine/Water Transport (IMDG): Product is classified as 4.1 Self-reactive, Type G material

SECTION XV - REGULATORY INFORMATION

United States

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

EPA Registration Number: Not Applicable.

SARA 313/302/304/311/312 chemicals: None.

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

California Registration Number: Not Applicable.

State Right-to-Know and CERCLA:

The following ingredients present in the finished product are listed on state right-to-know lists or state worker exposure lists

Ingredient	CAS #	Level	CERCL A RQ	State				
				IL	MA	NJ	PA	RI
Sodium Percarbonate	15630-89-4	≤ 50%	none			X		
Zeolite	1344-00-9	10 – 20%	none	X		X	X	
Sodium sulfate	7757-82-6	5 – 15%	none		X		X	
Enzyme	9000-90-2	0.5 to 1.5%	none			X		

Canada

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the Controlled Products Regulations.

SECTION XVI - OTHER INFORMATION

Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.

P&G Hazard Rating: 2	Health: 2	4=EXTREME
	Flammability: 0	3=HIGH
	Reactivity: 2	2=MODERATE
		1=SLIGHT
		0=NOT SIGNIFICANT

*N/A. - Not Applicable

*N/K. - Not Known

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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 assumed no responsibility for injury to the recipient or third persons or for any damage to any property resulting from misuse of the product.