



The Procter & Gamble Company  
P&G Household Care  
Fabric & Home Care Innovation Center  
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## MATERIAL SAFETY DATA SHEET

MSDS #: RQ1406573;  
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### SECTION I - PRODUCT IDENTIFICATION

Identity: **Washing Machine Cleaner** **Finished Product**  
Brands: **TIDE**

**P&G Telephone Number:** 1-800-879-8433  
or call Local Poison Control Center or your physician.

### SECTION II - HAZARDS IDENTIFICATION

**Potential Health Hazards (Acute and Chronic):** (See Section 11 for more information)

Eye Contact: Dust from the product will be irritating to the eyes.

Skin: May cause minor, transient skin irritation.

Ingestion: May be harmful if swallowed.

Inhalation: Dust from the product may be irritating to the respiratory system. The product does not contain enzymes.

**Signs and Symptoms of Exposure:**

Ingestion: Possible mild gastrointestinal irritation with nausea, vomiting, and/or diarrhea.

Eye Contact: Eye contact with the product or its aqueous solution may produce transient superficial irritation.

Skin Contact: Transient skin irritation.

Inhalation: Heavy exposure to dust may cause transient respiratory tract irritation.

Medical Conditions Generally Known to be Aggravated by Exposure: N/K.

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

### SECTION III - COMPOSITION AND INGREDIENTS

Ingredients listed on the product label are: CONTAINS NO PHOSPHATE.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200. and/or WHMIS under the HPA:

This product is hazardous under U.S. OSHA Hazard Communication (Eye Irritant).

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Sodium Carbonate	Soda Ash	497-19-8	20-30%	None established
NOBS	Proprietary Mixture	Proprietary	10-20%	None established
Sodium Carbonate Peroxide	Percarbonate	15630-89-4	10-20%	None established
Linear Alkyl Benzene Sulfonate	LAS	68081-81-2	1-5%	0.7 – 1.3 g/kg (rats, oral)
Silicate	Silicate	1344-09-8	1-5%	1.3 g/kg (rats, oral)
Zeolite	Sodium silicoaluminate	1344-00-9	1-5%	None established

#### SECTION IV – FIRST AID INFORMATION

##### First Aid Procedures:

**Ingestion:** If swallowed, rinse mouth with water provided the person is conscious. Do not induce vomiting. If irritation persists, seek medical attention.

**Eye Contact:** In case of contact, immediately flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.

**Skin Contact:** In case of contact, wash area with soap and water and rinse well. If irritation persists, seek medical attention.

**Inhalation:** If the dust is inhaled, remove to fresh air. If breathing becomes difficult, seek medical attention.

**Note to Physician:** (if applicable): Treat symptomatically.

**Other:** Consumer product package has the following precautionary statement:

##### US/ CANADA:

**FRONT LABEL:** “CAUTION: EYE IRRITANT. MAY BE HARMFUL IF SWALLOWED. SEE CAUTION ON BACK/SIDE PANEL.”

**BACK LABEL:** “CAUTION: MAY IRRITATE EYES. Do not get in eyes. KEEP OUT OF REACH OF CHILDREN. **FIRST AID TREATMENT:** Contains Sodium carbonate, Percarbonate and Nonanoic Acid Sulfophenyl Ester Sodium Salt. If swallowed, call Poison Control Center or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes.”

#### SECTION V - FIRE FIGHTING INFORMATION

**Flash Point (Method Used):** This is a granular detergent with a Flash Point >212°F (100°C).

##### **Flammable Properties:**

Upper Flammable Limit: N/A

Lower Flammable Limit: N/A

**Explosive Limits:** UEL: U/K LEL: U/K

**Auto-ignition Temperature:** U/K

**Hazardous Combustion Products:** O<sub>2</sub> and oxides of carbon, nitrogen and sulfur

**Explosion Data (Sensitivity to Mechanical Impact):** U/K

**Explosion Data (Sensitivity to Static Discharge):** U/K

##### **Extinguishing Media:**

Suitable: CO<sub>2</sub>, water, or dry chemical may be used.

Unsuitable: None.

##### **Protection of Firefighters:**

Specific Hazards Arising from the Material: The detergent granule may release O<sub>2</sub> in a fire.

Protective Equipment and Precautions for Firefighters: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially irritating or sensitizing fumes.

## SECTION VI - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Minimize dust levels while collecting product (see "Inhalation" health effects). Prevent exposure to dust with NIOSH approved respirators with HEPA filters. Minimize prolonged skin contact by using gloves.

**Environmental Precautions:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Small (household) solutions may be disposed of in sewer. Dry product may be landfilled if permitted by local regulations. Discard empty container in trash. Waste water containing product may be sewered in compliance with all federal and state/provincial regulations, and local ordinances.

**Steps To Be Taken in Case Material is Released or Spilled:** Review Personal Precautions, FIRE FIGHTING MEASURES, HANDLING AND STORAGE, and EXPOSURE CONTROL, PERSONAL PROTECTION sections before proceeding with clean-up. Use appropriate personal protective equipment during clean-up. Spilled material may be a slip hazard.

**Methods for Containment:** For dry product spills, collect material in an approved container while minimizing dust generation. Vacuum, as appropriate, remaining dust on floor.

**Methods for Cleanup:** Recycle or dispose of product, as necessary, in accordance with regulations and other requirements in this section. Flush small (household) quantities down acceptable sanitary/process sewer. Wipe up small spills with a damp cloth. Dispose of according to local regulations.

**Other Information:** (if applicable): The detergent granule does not contain enzymes.

## SECTION VII – HANDLING AND STORAGE

**Precautions To Be Taken in Handling:** Avoid skin contact and breathing product dust.

**Precautions To Be Taken in Storage:** Store in a cool (<100°F), dry place. Keep product dry to maintain free-flowing granules.

## SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

**This section only applies to the product when used in the workplace setting.**

**Exposure Guidelines:** 0.1 mg/m<sup>3</sup> Industry Recommendation. Minimize dust. Avoid contact with eyes, skin and clothing.

**Engineering Controls:** N/A

**Personal Protective Equipment (PPE):**

**Eye/Face Protection:** None required for normal, consumer use. When working with bulk material, use safety glasses w/side shields.

**Skin Protection:** None required for normal, consumer use. When working with bulk material, wear nitrile or butyl gloves.

**Respiratory Protection:** None required in normal use. When working with bulk material that may be dusty, a NIOSH approved respirator with HEPA P100 cartridges is recommended..

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (color, physical form, shape):**

White powder

**Odor:** Perfumed.

**Odor Threshold:** U/K

**Physical State:** Powder

**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):** N/A

**Reserve Alkalinity:** U/K

**Solubility in Water:** Soluble

**Decomposition Temperature:** N/A

**Evaporation Rate (nBuOAc=1):** N/A

**Specific Gravity/Density:** Density 600-700 g/L

**Melting/Freezing Point:** N/A

**pH (of a 1% solution):** 9.5-10.5

## SECTION X - STABILITY AND REACTIVITY

**Chemical Stability:** The product contains 10 – 20% of an oxygen bleach.

**Conditions to Avoid:** May decompose at temperatures  $\geq 140^{\circ}\text{F}$  ( $60^{\circ}\text{C}$ ).

**Incompatible Materials:** Strong reducing agents, acids, organics or finely powdered metals.

**Hazardous Decomposition Products:** O<sub>2</sub> which could contribute to a fire.

**Possibility of Hazardous Reactions:** None known.

## SECTION XI - TOXICOLOGICAL INFORMATION

Based on similar detergent granules, this product is expected to exhibit a generally low order of acute toxicity however. It may be irritating to the mucous membranes and the gastrointestinal tract, but is not expected to be corrosive.

**Chronic Effects:** None known.

**Target Organs:** Eyes.

**Carcinogenicity:** No.

**NTP:** No

**IARC:** No

## SECTION XII - ECOLOGICAL INFORMATION

Based on ecotoxicity and chemical fate data the ingredients in this product are not expected to harm the environment when disposed of through normal routes of use. The surfactants in this detergent are readily biodegradable and well removed during sewage treatment processing.

## SECTION XIII - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** DISPOSAL SHOULD BE IN ACCORDANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.

*Non-Household Setting (federal):* Products covered by this MSDS, in their original form, when disposed as waste, are considered non-hazardous waste according to Federal RCRA regulations (40 CFR 261). Although this product has self-reactive properties, is not a D003 under the RCRA regulations. Disposal should be in accordance with local, state and federal regulations.

*Non-Household Setting (California):* California Waste: Hazardous, in accordance with 22 CCR 66261.20 through 22 CCR 66261.24.

*Household Use:* Consumer may discard empty container in trash, or recycle where facilities exist. Consumer produced household solutions may be disposed of down the drain with running water. Product used in household may be disposed of in refuse or in sewer.

**SECTION XIV - TRANSPORT INFORMATION**

Products covered by this MSDS, in their original form, are not regulated for transportation.

**Ground Transport (US DOT):** Not regulated

**Air Transport (IATA):** Not regulated

**Marine/Water Transport (IMDG):** Not regulated

**SECTION XV - REGULATORY INFORMATION****UNITED STATES - FEDERAL**

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

EPA Registration Number: Not Applicable.

This product contains the following SARA 313/302/304/311/312 chemicals present at 1% or greater in the product formula (0.1% for carcinogens): None

**UNITED STATES - STATES**

California: This product is not subject to warning labeling under California Proposition 65.

California Registration Number: Not Applicable.

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

Ingredient	CAS#	Level	CERCLA RQ	State				
				IL	MA	NJ	PA	RI
Sodium Carbonate Peroxide	15630-89-4	10-20%	N/A			X		
Sodium Sulfate	7757-82-6	10-30%	N/A		X		X	
Zeolite	1344-00-9	2-10%	N/A	X		X	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:	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

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

**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 the 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.