



Procter & Gamble
 CPG TN 6
 2 Procter & Gamble Plaza
 Cincinnati, OH 45202

MATERIAL SAFETY DATA SHEET

MSDS #: FH/C/2005/MHMT-6CJLL and RQ0700974
 Supersedes: N/A

Issue Date: 9/07
 Issue Date: N/A

SECTION I - CHEMICAL PRODUCT

Identity: **Granular Stain Removal Treatment**

Brands: **TIDE STAIN REMOVAL TREATMENT**

Hazard Rating:	Health: 1	4=EXTREME
	Flammability: 1	3=HIGH
	Reactivity: 0	2= MODERATE
		1=SLIGHT

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

SECTION II - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Ingestion: May cause transient gastrointestinal irritation

Eye Contact: May cause moderate, transient irritation.

Skin Contact: None

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

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: None.

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

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

SECTION III - COMPOSITION AND INGREDIENTS

Ingredients listed on the product label are: biodegradable surfactants and enzymes.

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). With increased exposure compared with consumer use, this mixture, when tested as a whole, is considered an inhalation hazard (enzymes).

<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	15-40%	1.9 g/kg (rats, oral)
Linear Alkyl Benzene Sulfonic Acid, Sodium Salt	Sodium Alkyl Benzene Sulfonate	68081-81-2	0-5%	LD50=0.65-1.26 g/kg LC50=N/A
Alkyl Sulfate, Sodium Salt	Alkyl Sulfate	68081-98-1 & Proprietary	5-10%	1.3 – 2.1 g/kg (Rats, oral)
Subtilisin	Proteolytic Enzyme	9014-01-1	<0.1%	g/kg (Rats, oral)

SECTION IV - FIRST AID INFORMATION

First Aid Procedures:

Ingestion: Give milk or water.

Eye Contact: Flush eyes with water for 15 minutes.

Skin Contact: Rinse exposed area with water.

Inhalation: Leave dusty area. In rare cases a respiratory reaction can occur which may include tightness of chest and difficulty breathing. If this occurs, seek medical attention immediately.

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

Other: Product package has a caution statement: CAUTION: May cause eye irritation. Eye irritant. Avoid eye contact. Eye contact may result in mild to moderate transient irritation unless rinsed immediately and thoroughly with water. If eye contact occurs, flush with water for 15 minutes. If irritation persists, seek medical attention. KEEP OUT OF REACH OF CHILDREN.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): N/A

Flammable Properties:

Upper Flammable Limit: N/A

Lower Flammable Limit: N/A

Explosive Limits: UEL: N/A LEL: N/A

Auto-ignition Temperature: N/A

Hazardous Combustion Products: None Known

Explosion Data (Sensitivity to Mechanical Impact): None Known

Explosion Data (Sensitivity to Static Discharge): None Known

Extinguishing Media:

Suitable: CO₂, water, or dry chemical may be used.

Unsuitable: None.

Protection of Firefighters:

Specific Hazards Arising from the Material: None.

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): N/A

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: Store in a cool, dry place. Keep product dry to maintain free-flowing granules.

Other Precautions: None

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Exposure Guidelines: Minimize dust.

Engineering Controls: N/A

Personal Protective Equipment (PPE):

Eye/Face Protection: If a splash of product in solution is likely, chemical goggles may be needed.

Skin Protection: Protective gloves (rubber, neoprene) should be used for any prolonged direct contact.

Respiratory Protection: Dusty conditions may require a NIOSH approved respirator with HEPA filters.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape): White powder with or without colored speckles	Flash Point (Method Used): N/A
Odor: Scented or unscented.	Reserve Alkalinity: ~ 5-8.75 g NaOH/100 mL (at pH=9.5)
Odor Threshold: N/A	Solubility in Water: Mostly soluble at 68°F (20°C)
Physical State: Solid granules at 68°F (20°C)	Decomposition Temperature: N/A
Vapor Pressure (mm Hg): N/A	Evaporation Rate (nBuOAc=1): N/A
Vapor Density (Air=1): N/A	Specific Gravity/Density: Density 420–650 g/L
Boiling Point: N/A	Melting/Freezing Point: N/A
Partition Coefficient (n-octanol/water): N/A	pH (of a 1% solution): 10–11.5
Volatile Organic Compound (VOC): Not Applicable - Product not regulated for VOC Content at State or Federal level.	

SECTION X - STABILITY AND REACTIVITY

Possible Hazardous Reactions/Conditions: None known

Conditions to Avoid: None

Materials to Avoid: None known

Hazardous Decomposition Products: None

Other Recommendations: None

SECTION XI - TOXICOLOGICAL INFORMATION

Granular detergent has a relative low order of toxicity. If ingested, it may result in mild gastrointestinal irritation, diarrhea, and/or vomiting. Eye contact with the product or its aqueous solution may produce transient superficial irritation.

Chronic Effects: No chronic health effects reported.

Target Organs: No target organs reported.

Carcinogenicity: This finished consumer product is not carcinogenic.

NTP: No

IARC: Ingredients checked and no carcinogens are present.

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 IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Small quantities may be disposed of in sewer. For larger quantities, incineration is preferred. Do not landfill. Discard empty container in trash.

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).

Non-Household Setting (California): Not hazardous, in accordance with 22 CCR 66261.20 through 22 CCR 66261.24

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 - ADDITIONAL 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 90.1% 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	State		CERCLA
Sodium Carbonate	497-19-8	15-40%	TX		N/A
Polyethylene Glycol	25322-68-3	1-5%	MN	TX	N/A
Zeolite	1318-02-1	1-5%	NJ		N/A

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

SECTION XVI - OTHER INFORMATION

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

*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.