



The Procter & Gamble Company
P&G Household Care
Fabric & Home Care Innovation Center
5299 Spring Grove Avenue
Cincinnati, OH 45217-1087

MATERIAL SAFETY DATA SHEET

Issue: RQ1308514

Issue Date: July 2013

SECTION I - CHEMICAL PRODUCT

Product Identity: Multi-Purpose Cleaning Solution**Product Brand:** Tide with OXIThis MSDS applies to all uses/handling of these products in a retail package for consumer home use.

Emergency Contact Telephone Number: CHEMTREC 1-800-424-9300

SECTION II - HAZARDS IDENTIFICATION

Potential Health Hazards

Inhalation: Irritating to the mucous lining of the nose, throat and eyes.

Eye Contact: May cause moderate, reversible irritation (stinging, tearing, swelling or redness).

Skin: Repeated and prolonged contact may cause mild, transient irritation.

Ingestion: Although an unlikely occupational exposure route, ingestion may cause transient gastrointestinal irritation with nausea, vomiting or diarrhea.

Potential Environmental Effects: See Section XII

SECTION III - COMPOSITION AND INGREDIENTS

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

Chemical Name	CAS No.	Composition Range	LD50/LC50
Sodium percarbonate	15630-89-4	10-30%	1.0 – 3 g/kg (rats, oral)
Sodium nonanyloxybenzenesulfonate	91125-43-8	1-5%	6.0 g/kg (rats, oral)
Sodium carbonate	497-19-8	10-30%	1.9 g/kg (rats, oral)
Alcohol ethoxylate	1344-00-9	1-5 %	1.2 g/kg (rats, oral)

SECTION IV – FIRST AID INFORMATION

First Aid Procedures

Inhalation: Remove to fresh air. If breathing difficulties occur, seek immediate 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 mild soap and water. If irritation persists, seek medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. If irritation occurs or persists, seek medical attention.

Note to Physician: Treat symptomatically

SECTION V - FIRE FIGHTING INFORMATION	
Flammable Properties:	Product can self react at elevated temperatures, releasing oxygen and steam. Upper Flammable Limit: na Lower Flammable Limit: na
Explosive Limits:	UEL: Unknown LEL: Unknown
Auto-Ignition Temp:	Unknown
Hazardous Combustion Products:	Potential oxides of carbon, nitrogen and sulfur when burned in a fire
Extinguishing Media	Suitable: Water Unsuitable: None
Protection of Firefighters	Specific Hazards Arising from the Material: Product contains an oxidizer. Protective Equipment and Precautions for Firefighters: Standard turnout gear including SCBA

SECTION VI - ACCIDENTAL RELEASE MEASURES
Personal Precautions: Safety glasses with side shields, a respirator with P100 HEPA cartridges and nitrile gloves should be worn when exposure to large quantities of the powder are possible. Environmental Precautions Methods for Containment: Spilled material 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 to maintain free-flowing granules and minimize degradation.

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION
Exposure Guidelines: The exposure guideline for the bleach powder is 15 mg/m ³ (OSHA PEL for total dust).
Engineering Controls: Local exhaust ventilation should be used to control dust exposures.
Personal Protective Equipment Eye/Face Protection: None required for normal consumer use. Skin Protection: None required for normal consumer use. Respiratory Protection: None required for normal consumer use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance: White powder with or without blue speckles	Flash Point: Combustible Dust
Odor: Perfumed	Decomposition Temperature: NA
Odor Threshold: NA	Evaporation Rate (nBuOAc=1): NA
Physical State: Powder	Specific Gravity/Density: 1050 g/L
Vapor Pressure (mm Hg): NA	Melting/Freezing Point: NA
Vapor Density (Air=1): NA	pH (10% solution): 9.3 – 9.9 (9.6 +/- 0.3)
Boiling Point: NA	Reserve Alkalinity: NA
Partition Coefficient (n-octanol/water): NA	Solubility in Water: Soluble

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
Acute Toxicity: Harmful if swallowed. Irritating to eyes and skin. Chronic Effects: NA 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
While not tested as a whole, based on the ecotoxicity and biodegradability of the individual components in the powdered bleach, it is expected that this product will exhibit a non-hazardous order of toxicity at relevant environmental concentrations. Avoid contact of Tide with OXI with plants and lawnd during use or disposal.

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).

SECTION XIV - TRANSPORT INFORMATION

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)).

IMDG: Product is classified as 4.1 Self-reactive, Type G material

IATA: Product is classified as 4.1 Self-reactive, Type G material

Canada TDG: Product is classified as 4.1 Self-reactive, Type G material

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All intentionally-added components to the product are listed on the USTSCA Inventory.

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

States:

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

State Right-to-Know and CERCLA

The following ingredients are present in the (product description) at a level $\geq 1\%$ and are listed on one or more State Right-to-know or State Worker Exposure Lists:

Ingredient	CAS#	Level	States				
			IL	MA	NJ	PA	RI

CERCLA RQ

None

SECTION XVI - OTHER INFORMATION

Perfumes contained within the product/s covered by this MSDS comply with appropriate IFRA guidance.

P&G Hazard Rating: 2

Health: 1

Flammability: 1

Reactivity: 1

4 = Extreme

3 = High

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.

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