

# Material Safety Data Sheet



**Issuing Date:** 19-Nov-2012

**Revision Date:** 08-Aug-2013

**Version** 1.01

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product ID:</b>	95728784
<b>Product name</b>	Blondor Freelights Bleach Powder
<b>Product Type</b>	Finished Product - Consumer (Retail) and Professional Use
<b>Recommended use</b>	Personal Beauty Care Product
<b>Uses advised against</b>	All other uses
<b>Synonyms</b>	No information available
<b>Manufacturer</b>	The Procter & Gamble Company Sharon Woods Innovation Center 11510 Reed Hartman Highway Cincinnati OH 45202
<b>E-mail Address</b>	pgsds.im@pg.com
<b>Emergency telephone</b>	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 01-800-681-9531

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Harmful if swallowed  
Risk of serious damage to eyes  
Irritating to respiratory system and skin  
May cause sensitization by inhalation and skin contact

<b>OSHA Regulatory Status</b>	Consumer Products as defined by the U.S. Consumer Product Safety Act which are used as intended (typical consumer duration and frequency) are exempt from the OSHA Hazard Communication Standard. When used in a professional setting (at a much higher frequency and duration than a typical consumer) this material would be considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>WHMIS</b>	Not subject to WHMIS classification.
<b>Principle Routes of Exposure</b>	Eye Contact. Ingestion. Skin Contact. Inhalation.

**General Hazards**

This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous ingredients**

Chemical Name	CAS-No	Weight %
Silicic acid, sodium salt	1344-09-8	10 - 30
Diammonium peroxodisulphate	7727-54-0	10 - 30
Dipotassium peroxodisulphate	7727-21-1	5 - 10
Cellulose, 2-hydroxyethyl ether	9004-62-0	1 - 5
Octadecanoic acid, sodium salt (1:1)	822-16-2	1 - 5

**4. FIRST AID MEASURES**

<b>General advice</b>	When symptoms persist or in all cases of doubt seek medical advice.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Consult a physician. Get medical attention immediately if symptoms occur.
<b>Skin Contact</b>	If skin problems occur, discontinue use. May cause an allergic skin reaction. Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
<b>Ingestion</b>	If swallowed. Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Inhalation</b>	Move to fresh air. Get medical attention if irritation persists. May cause allergic respiratory reaction. Get medical attention immediately if symptoms occur.
<b>Protection of First-aiders</b>	Use personal protective equipment.
<b>Most important symptoms/effects, acute and delayed</b>	None known.
<b>Notes to Physician</b>	Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

<b>Flash Point</b>	No information available
<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or alcohol-resistant foam.
<b>Extinguishing media which shall not be used for safety reasons</b>	No information available
<b>Special Hazard</b>	These are strong oxidizers and will react vigorously or explosively with many materials including fuels
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid dust formation. Avoid contact with the skin and the eyes.
<b>Advice for emergency responders</b>	Use personal protective equipment.
<b>Environmental precautions</b>	<b>Household:</b> Do not discharge product into natural waters without pre-treatment or adequate dilution. <b>Non-household:</b> Should not be released into the environment.
<b>Methods for Containment</b>	<b>Non-household:</b> Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for Cleaning up</b>	<b>Non-household:</b> Avoid dust formation. Clean up promptly by scoop or vacuum. Keep in suitable, closed containers for disposal. Dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE

<b>Advice on safe handling</b>	Keep out of the reach of children. Observe label precautions.
<b>Technical measures/Storage conditions</b>	Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	P&G OEL	Mexico OEL
Diammonium peroxodisulphate	TWA: 0.1 mg/m <sup>3</sup> Persulfate	-			-
Dipotassium peroxodisulphate	TWA: 0.1 mg/m <sup>3</sup> Persulfate	-			-
Chemical Name	Alberta	Quebec	Ontario TWAEV	British Columbia	
Diammonium peroxodisulphate			TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	
Dipotassium peroxodisulphate			TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	

<b>Engineering Measures</b>	Not applicable.
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### Personal Protective Equipment

<b>Eye Protection</b>	Safety glasses with side-shields.
<b>Hand Protection</b>	Rubber/latex/neoprene or other suitable chemical resistant gloves.
<b>Skin and body protection</b>	Wear protective gloves/clothing.
<b>Respiratory protection</b>	Use only with adequate ventilation
<b>Thermal hazards</b>	Not applicable.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.
<b>Environmental Exposure Controls</b>	See Section 6.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @20°C	solid	
Appearance	powder.	
Odor	No information available	
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Note</u></b>
pH VALUE	> 10	
melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash Point	No information available	
Evaporation Rate	No information available	
flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper Flammability Limit	No information available	
lower flammability limit	No information available	
vapor pressure	No information available	
Vapor Density	No information available	
Relative Density	No information available	
Water solubility	No information available	
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition Temperature	No information available	.
decomposition temperature	No information available	.
Viscosity of Product	No information available	
Bulk Density	No information available	
VOC Content	Products comply with US state and federal regulations for VOC content in consumer products.	
Oxidizing properties	No information available	

## 10. STABILITY AND REACTIVITY

Reactivity	None under normal use conditions.
Stability	Stable under normal conditions.
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.
Conditions to Avoid	Heat, flames and sparks. Protect from light.
Materials to Avoid	Strong reducing agents. Organic material. Alkaline.
Hazardous Decomposition Products	None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

**Acute Toxicity** Risk of serious damage to eyes. May be harmful if swallowed. Irritating to respiratory system and skin.

**Principle Routes of Exposure** Eye Contact. Ingestion. Skin Contact. Inhalation.

**Inhalation** Irritating to respiratory system. May cause sensitization by inhalation.  
**Skin Contact** Irritating to skin. May cause sensitization by skin contact.  
**Ingestion** Harmful if swallowed.  
**Eye Contact** Risk of serious damage to eyes.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Silicic acid, sodium salt	3400 mg/kg bw (OECD 401, rat)	> 5000 mg/Kg bw (Read across data: Potassium silicate solution (MR: 2.47), EPA OPPTS 870.1200, rat)	> 2.06 mg/L (Read across data: Potassium silicate solution (MR: 2.47), rat)
Diammonium peroxodisulphate	= 495 mg/kg ( Rat )	-	= 520 mg/L ( Rat ) 1 h
Dipotassium peroxodisulphate	= 802 mg/kg ( Rat )	-	-

### Chronic toxicity

**Corrosivity** No known effect.  
**Sensitization** May cause sensitization by inhalation and skin contact.  
**Neurological Effects** No known effect.  
**Reproductive toxicity** The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.  
**Mutagenic Effects** There are no known mutagenic chemicals in this product.  
**Developmental Toxicity** No known effect.  
**Teratogenicity** No known effect.  
**Carcinogenicity** Contains no ingredients above reportable quantities listed as a carcinogen.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute Toxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Silicic acid, sodium salt	207 mg/L (DIN 38412, Teil 9, Scenedesmus subspicatus, biomass, MR: 3, 34.54% active)	1108 mg/L (OECD 203, Brachydanio rerio, MR: 3.46, 34.8%)	> 348 mg/L (Pseudomonas putida, growth inhibition, pH>9)	1700 mg/L (EU Method C.2, Daphnia magna, static, MR: 3.2 and 35% active)	-
Diammonium peroxodisulphate	-	LC50 96 h = 103 mg/L Lepomis macrochirus static LC50 96 h = 76.3 mg/L Oncorhynchus mykiss static LC50 96 h = 323 mg/L Poecilia reticulata	-	EC50 48 h = 120 mg/L Daphnia magna	-

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Mobility** No information available.

**Other adverse effects** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste from Residues / Unused Products** **Household:** Do not discharge product into natural waters without pre-treatment or adequate dilution. **Non-household:** Should not be released into the environment. Dispose of in accordance with local regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

**California Hazardous Waste Codes (non-household setting)** 331

## 14. TRANSPORT INFORMATION

### DOT

UN/ID no	UN1479
Proper shipping name	Oxidizing solid, n.o.s.
Hazard Class	5.1
Packing group	III
Description	UN1479, Oxidizing solid, n.o.s (Diammonium Peroxodisulphate, Dipotassium Peroxodisulphate), 5.1, III, Ltd. Qty.
Emergency Response Guide Number	140

### TDG

UN/ID no	UN1479
Proper shipping name	Oxidizing solid, n.o.s.
Hazard Class	5.1
Packing group	III

**Description** UN1479, Oxidizing solid, n.o.s (Diammonium Peroxodisulphate, Dipotassium Peroxodisulphate), 5.1, III, Ltd. Qty.

**MEX**

**UN/ID no** UN1479  
**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing group** III  
**Description** UN1479, Oxidizing solid, n.o.s (Diammonium Peroxodisulphate, Dipotassium Peroxodisulphate), 5.1, III, Ltd. Qty.

**IATA**

**UN/ID no** UN1479  
**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing group** III  
**ERG Code** 5L  
**Description** UN1479, Oxidizing solid, n.o.s (Diammonium Peroxodisulphate, Dipotassium Peroxodisulphate), 5.1, III, Ltd. Qty.

**ICAO**

**UN/ID no** UN1479  
**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing group** III  
**Description** UN1479, Oxidizing solid, n.o.s (Diammonium Peroxodisulphate, Dipotassium Peroxodisulphate), 5.1, III, Ltd. Qty.

**IMDG/IMO**

**UN/ID no** UN1479  
**Proper shipping name** Oxidizing solid, n.o.s.  
**Hazard Class** 5.1  
**Packing group** III  
**EmS No.** F-A, S-Q  
**Description** UN1479, Oxidizing solid, n.o.s (Diammonium Peroxodisulphate, Dipotassium Peroxodisulphate), 5.1, III, Ltd. Qty.

<b>15. REGULATORY INFORMATION</b>
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**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Diammonium peroxodisulphate	7727-54-0	19.9	1.0

**SARA 311/312 Hazard Categories**

Acute Health Hazard	yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	yes

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**Food and Drug Administration (FDA)**

The product described in this Material Safety Data Sheet is regulated under the Federal Food, Drug, and Cosmetics Act and is safe to use as per directions on container, box or accompanying literature (where applicable).

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**U.S. State Regulations****California Proposition 65**

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

**U.S. State Regulations**

Chemical Name	New Jersey
Kaolin	X
Diammonium peroxodisulphate	X
Dipotassium peroxodisulphate	X
Mineral Oil	X

Chemical Name	Massachusetts
Kaolin	X
Dipotassium peroxodisulphate	X
Mineral Oil	X

Chemical Name	Pennsylvania
Kaolin	X
Dipotassium peroxodisulphate	X
Mineral Oil	X

**International Regulations****Canada****WHMIS Hazard Class**

Not subject to WHMIS classification

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR. This product is regulated by the Food and Drug Administration of Health Canada and is therefore exempt from the requirements of CEPA.

**International Inventories**

**TSCA** Product is a personal care product and regulated under FDA  
**DSL** Exempt  
**NDSL** Exempt  
**CEPA** P&G Canadian Regulatory reviewed this material to ensure CEPA Compliance  
**Perfumes contained with the products comply with appropriate IFRA guidance.**

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List



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**16. OTHER INFORMATION**

**Issuing Date:** 19-Nov-2012  
**Revision Date:** 08-Aug-2013

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of MSDS**