

## MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

<b>Material name</b>	<b>AGS-1214</b>
<b>Manufacturer</b>	The Procter & Gamble Company Procter & Gamble Chemicals Sharon Woods Innovation Center 11530 Reed Hartman Highway Cincinnati, Ohio 45241 1-800-477-8899 or 1-513-626-6882 PGChemMSDS.IM@pg.com CHEMTREC: 1-800-424-9300 U.S. and Canada CHEMTREC: 1-703-527-3887 For calls originating elsewhere
<b>Version #</b>	01
<b>Revision date</b>	08-25-2010
<b>CAS #</b>	Mixture
<b>MSDS Number</b>	AGS601
<b>Product use</b>	Surfactant.
<b>Synonym(s)</b>	AGS-1214, Sodium Coconut Alkyl Glyceryl Sulfonate Paste/Sodium Cocoglyceryl Ether Sulfonate

### 2. Hazards Identification

<b>Emergency overview</b>	Irritating to eyes.
<b>OSHA regulatory status</b>	This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Eye contact.
<b>Eyes</b>	Causes eye irritation.
<b>Skin</b>	Health injuries are not known or expected under normal use.
<b>Inhalation</b>	Health injuries are not known or expected under normal use.
<b>Ingestion</b>	Health injuries are not known or expected under normal use.
<b>Specific hazards</b>	Irritating to eyes.
<b>Potential environmental effects</b>	May cause long-term adverse effects in the environment.

### 3. Composition / Information on Ingredients

Components	CAS #	Percent
WATER	7732-18-5	41
1-PROPANESULFONIC ACID, 2,3-DIHYDROXY-, MONO-C10-16-ALKYL ETHERS, SODIUM SALTS	68081-95-8	47

### 4. First Aid Measures

<b>First aid procedures</b>	
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.
<b>Skin contact</b>	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
<b>Ingestion</b>	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

**General advice** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire Fighting Measures

**Flammable properties** The product is not flammable. No unusual fire or explosion hazards noted.

### Extinguishing media

**Suitable extinguishing media** Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Specific methods** In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

## 6. Accidental Release Measures

**Personal precautions** Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Keep upwind. Keep out of low areas. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not contaminate water.

**Methods for containment** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.

**Methods for cleaning up** Should not be released into the environment.

Large Spills: Dike far ahead of spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water.

Never return spills in original containers for re-use.

## 7. Handling and Storage

**Handling** Avoid contact with eyes. Wear personal protective equipment. Do not use in areas without adequate ventilation. Wash thoroughly after handling. Avoid release to the environment. Handle and open container with care.

**Storage** Keep container tightly closed. Use care in handling/storage.

## 8. Exposure Controls / Personal Protection

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

**Eye / face protection** Avoid contact with eyes. Chemical goggles are recommended.

**Skin protection** No special protective equipment required.

**Respiratory protection** No personal respiratory protective equipment normally required.

**General hygiene considerations** Avoid contact with eyes. Avoid contact with skin.

## 9. Physical & Chemical Properties

**Appearance** Soft solid.

**Color** White.

**Odor** Mild soapy.

**Odor threshold** Not available.

**Physical state** Liquid.

**Form** Not available.

**pH** Not available.

**Melting point** Not available.

**Freezing point** Not available.

**Boiling point** 215 °F (101.7 °C) at 760 mm Hg (101.3kPa)

**Flash point** Not available.

**Evaporation rate** Not available.

<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	0.3 psi
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Partial
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	Not available.

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Materials to avoid</b>	None.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known. May release SO <sub>2</sub> upon dehydration and burning.
<b>Hazardous polymerization</b>	Will not occur.

## 11. Toxicological Information

### Toxicological data

<b>Product</b>	<b>Test Results</b>
AGS-1214 (Mixture)	Acute Oral LD50 Albino rat: 3.65 g/kg
<b>Sensitization</b>	Not available.
<b>Local effects</b>	Irritating to eyes.
<b>Chronic effects</b>	Not available.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Skin corrosion/irritation</b>	Not available.
<b>Epidemiology</b>	Not available.
<b>Mutagenicity</b>	Not available.
<b>Neurological effects</b>	Not available.
<b>Reproductive effects</b>	Not available.
<b>Teratogenicity</b>	Not available.

## 12. Ecological Information

### Ecotoxicological data

<b>Product</b>	<b>Test Results</b>
AGS-1214 (Mixture)	LC50 Bluegill ( <i>Lepomis macrochirus</i> ): 12.6 mg/l 96.00 hours Data based on NaClO-16 AGS and closely related AGS analogs.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence / degradability</b>	This product is readily biodegradable.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Not applicable.

## 14. Transport Information

### DOT

Not regulated as dangerous goods.

## 15. Regulatory Information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

### CERCLA (Superfund) reportable quantity

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Contains no California Prop 65 chemicals.

### US - New Jersey Community RTK (EHS Survey): Reportable threshold

### US - Pennsylvania RTK - Hazardous Substances: Listed substance

Contains no Pennsylvania Right To Know hazardous substances

## 16. Other Information

**Further information** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings** Health: 2  
Flammability: 0  
Physical hazard: 0

**NFPA ratings** Health: 2  
Flammability: 0  
Instability: 0

**Bibliography**

Tusing, T.W. et.al. "Toxicologic Studies On Sodium Lauryl Glyceryl Ether Sulfonate and Sodium Lauryl Trioxyethylene Sulfate", *Tox. & Appld. Pharm.* Vol. 4, No. 3, pp. 402-409, 1962. Human Safety and Environmental Aspects of Major Surfactants, Arthur D. Little, Inc., 1977. Human Safety and Environmental Aspects of Major Surfactants, Arthur D. Little, Inc., 1981. (Supplement)

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

**Issue date**

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