1-Propanesulfonic acid, 2,3-dihydroxy-, mono-C10-16-alkyl ethers, sodium salts (cas 68081-95-8) MSDS

MATERIAL SAFETY DATA SHEET

MSDS Number: AGS601-2 Revision Date: November 22, 2002
Supersedes: AGS601-1 Issue Date: November 8, 2002

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

?? Product identification

Synonyms/Trade Names: Sodium Cocoglyceryl ether Sulfonate/
AGS-1214, Sodium Coconut Alkyl Glyceryl Sulfonate paste

?? Product uses

Surfactant

?? Company/undertaking identification

North America: The Procter & Gamble Company
Procter & Gamble Chemicals
Sharon Woods Technical Center
11530 Reed Hartman Highway
Cincinnati, Ohio 45241

Department issuing MSDS: Product Safety and Regulatory Affairs
1-800-477-8899

Europe: Procter & Gamble European Supply Company N.V.
P&G Chemicals ?? Europe
The Heights
Brooklands
Weybridge
Surrey
ENGLAND KT13 0XP
Telephone Number: 01932-896000

?? Emergency Telephone: P&G Ltd. - Brooklands, England: Tel 01932-896000 (day phone)
Emergency 0191-279-2000 (day phone)
CHEMTREC 1-800-424-9300 U.S. and Canada
1-703-527-3887 For calls originating elsewhere

U.S. Emergency, Quality or Service Issues:
Call Customer Service
1-800-477-8899 or 513-626-6882

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation (mixture): Preparation
EC EC
CAS No. WW % EC-No. Symbols R-phrases

1-Propanesulfonic acid, 2,3-dihydroxy-, 68081-95-8 47 2683624 X R36
mono-C10-16-alkyl ethers, sodium salts
Water 7732-18-5 41 2317912 N/A N/A

Click http://www.guidechem.com/cas-680/68081-95-8.html for suppliers of this product
3. HAZARDS IDENTIFICATION

European Hazard Classification: This product is classified as Xi ?? Irritant; R36 ?? Irritating to eyes.

?? Emergency Overview: CAUTION: CAUSES EYE IRRITATION

?? Potential Health Effects:

Eye - Causes eye irritation.

Skin - Prolonged skin exposure may cause irritation.

Inhalation - May be irritating to mucous membranes and upper respiratory tract

Ingestion - Unknown, but may cause digestive tract irritation

?? Physical/Chemical Hazards: None identified.

?? Environmental Hazards: None identified.

4. FIRST AID MEASURES

?? Eye - In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, immediately get medical attention. Ensure adequate flushing of the eyes by separating the eyelids with fingers.

?? Skin - Avoid prolonged contact with skin. In case of contact, immediately wash skin with water for 15 minutes. Remove contaminated clothing. Obtain medical attention if irritation develops. Wash contaminated clothing before reuse.

?? Inhalation - If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Immediately obtain medical attention.

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4. FIRST AID MEASURES-CONTINUE

?? Ingestion - If swallowed, wash out mouth with water provided person is conscious. Get medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

?? Extinguishing media: Small fires: CO2 or dry chemical

Large fires: Foam

?? Unsuitable extinguishing media: Not identified.

?? Flash Point and method: Not applicable.

?? Explosive limits in air:

Upper: Not available

Lower: Not available

?? Auto-ignition temperature: Not available

?? Sensitivity to mechanical impact/static discharge: Not available.

?? Special Protective Equipment: Wear self-contained breathing apparatus and full protective clothing.

?? Other Fire Fighting Considerations: Cool containers with flooding quantities of water until well after fire is out.

?? Exposure hazards: May release SO2 upon dehydration and burning
6. ACCIDENTAL RELEASE MEASURES

?? Personal Precautions: An appropriate NIOSH/MSHA approved respirator should be used if a mist or vapor is generated. Wear suitable gloves and eye/face protection. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

?? Environmental Precautions: Minimize contamination of drains, surface and ground waters.

?? Procedures for Spill/Leak Clean-up: Neutralization not required. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for subsequent safe disposal.

Refer to Section 8 for additional personal protection information.
Refer to Section 13 for disposal considerations.

7. HANDLING AND STORAGE

?? Handling: Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Since empty containers contain product residue and can be dangerous, follow all hazard warnings and precautions even after container is emptied. Keep away from sources of ignition.

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7. HANDLING AND STORAGE-CONTINUE

?? Storage: Keep away from possible contact with incompatible substances.
Store in original closed containers in a cool, dry, well-ventilated area. Store in non-corrosive metal or lined containers.

?? Specific use(s): Follow bulk handling and storage procedure as noted above.

Refer to Section 6 for clean-up of spillages.
Refer to Section 13 for disposal considerations.

8. EXPOSURE CONTROLS/PARTIAL PROTECTION

?? General Precautions: Good industrial hygiene should be followed. Avoid breathing (heated) vapors. Avoid eye and skin contact.

?? Exposure Limit Values: Not established

?? Exposure Controls:

Engineering Controls: Ventilation: Local exhaust - preferred
Mechanical - acceptable

Personal Protective Equipment:

Eye - Goggles or face shield with goggles, dependent upon potential exposure.

Skin - Protective gloves: Rubber or plastic
Dependent upon degree of potential exposure, additional personal protective equipment may be required, such as chemical boots and full protective clothing.

Inhalation - Use an appropriate NIOSH/MSHA approved respirator for exposure to contaminated atmosphere. A NIOSH/MSHA approved self-contained breathing apparatus or air-supplied respirator is recommended if the concentration exceeds the capacity of cartridge respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Other Controls: Boots, eye wash fountain, safety shower, apron, protective clothing.

?? Environmental Exposure Controls: Contact Procter and Gamble for specific Community information.

9. PHYSICAL AND CHEMICAL PROPERTIES

?? General Information:

Physical state at 72??F (22??C): Soft solid
Appearance: White
Odor: Mild soapy
Odor Threshold: Not known

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9. PHYSICAL AND CHEMICAL PROPERTIES - CONTINUE

?? Important health, safety and environmental information:

pH: Not available
Boiling point/Boiling range: 215?? F (101.7?? C) @ 760 mm Hg (101.3kPa)
Flash Point & Method: Not applicable
Flammability (solid, gas): Not available
Explosive properties: Not available
Oxidizing properties: Not available
Vapor pressure @ 70?? F: 0.3 psia
Relative density: Not available
Freezing point: Not available
Solubility:
Water solubility: Partially
Fat solubility (solvent-oil to be specified): Not available
Partition coefficient: n-octanol/water: Not available
Viscosity: Not available
Vapor density: Not available
Evaporation Rate (nBuOAc=1): Not available
Explosive Limits: Not available
Auto ignition temperature: Not available
Coefficient of water/oil distribution: Not available

10. STABILITY AND REACTIVITY

?? Stability: Stable under normal operational conditions.

?? Conditions to Avoid: Not determined

?? Materials to Avoid: None known

?? Hazardous Decomposition Products: May release SO2 upon dehydration and burning

?? Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE IRRITATION:
When applied in a standard eye irritation test using albino rabbits, the undiluted product produced mild to moderate but transient eye irritation. If immediate rinsing with water follows instillation of undiluted product into the eye, very mild, transient irritation is observed.

SKIN IRRITATION:
Na AGS paste is a mild to moderate irritant when exposed undiluted to the skin of albino rabbits. Human testing and use experience has shown the product to be mild to the skin but may cause dryness with prolonged exposure.

SKIN SENSITIZATION:
Na AGS is not a skin sensitizer. Results of animal and human testing of this material and extensive use experience support this conclusion.

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11. TOXICOLOGICAL INFORMATION - CONTINUE

ACUTE ORAL TOXICITY:
The acute oral LD50 of Na AGS paste as is in albino rats was 3.65 g/kg. For comparison, the LD50 of table salt is generally recognized to be 3.75 g/kg. The LD50 of the active ingredients was 1.88 g/kg, which is comparable to other commonly used surfactants.

12. ECOLOGICAL INFORMATION

Data based on NaC10-16 AGS and closely related AGS analogs.

Readily biodegradable.

Bluegill 96-hour LC50: 12.6 mg/l
Semi-Continuous Activated Sludge (SCAS) Removability Test:
Avg. % SOC (soluble organic carbon) removal: 87.3% ± 3.0%

13. DISPOSAL CONSIDERATIONS

DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL
REGULATIONS. Do not dispose of via sinks, drains or into the immediate environment.
Contaminated packaging: Observe local regulations.

14. TRANSPORT INFORMATION

Not classified in DOT - RID/ADR - ADNR - IMDG - ICAO/IATA

15. ADDITIONAL REGULATORY INFORMATION

INVENTORY STATUS: TSCA, EINECS, DSL, China, MITI # 2-1647 (Japan)

EC LABELING AND CLASSIFICATION:
According to Directives 67/548/EEC and 1999/45/EC
- Symbol: Xi Irritant
- Risk phrase(s): R36 Irritating to eyes.
- Safety phrase(s): S25 Avoid contact with eyes.
  S26 In case of contact with eyes, rinse immediately with plenty of water and
  Seek medical advice.
  S39 Wear eye/face protection.

Canada
HAZARDOUS INGREDIENTS ?? WHMIS (Canadian Workplace Hazardous Materials Information System)

This product when tested as a whole is considered a controlled substance Class D, Division 2, Subdivision B
(eye irritant, toxic) within the meaning of the Hazardous Products Act.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the
MSDS contains all the information required by the Controlled Products Regulations.

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16. OTHER INFORMATION

EUROPE
This product safety data sheet was prepared in compliance with 2001/58/EC.

R-phrase(s):
R36 Irritating to eyes.

US ALABELING:

CAUTION: CAUSES EYE IRRITATION

Avoid contact with eyes.
Wash thoroughly after handling.

FIRST AID: In case of contact:

EYES - Immediately flush with plenty of water for at least 15 minutes.
Call a physician.

References: Tusing, T.W. et al. ??Toxicologic Studies On Sodium Lauryl Glyceryl Ether
Sulfonate and Sodium Lauryl Trioxethene Sulfate??, Tox. & Appld. Pharm.

Human Safety and Environmental Aspects of Major Surfactants,

Human Safety and Environmental Aspects of Major Surfactants,
Arthur D. Little, Inc., 1981. (Supplement)

The following sections contain revisions or new statements: 1-3, 5-10, 12, 15, 16.
The submission of the MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied are for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific product designated herein, and does not relate to use in combination with any other material or any other process. 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 controlled product.