



CENTRAL SOLUTIONS, INC.

Safety Data Sheet

Issue Date 11-Jan-2005

Revision Date: 14-Jan-2014

Version 3

1. IDENTIFICATION

Product Identifier**Product Name** Penner Patient Care Shampoo & Body Wash**Other means of identification****SDS #** 13020-0114**Other Information** R&D #RD16-115A**Recommended use of the chemical and restrictions on use****Recommended Use** A hair shampoo & body wash formulated with anionic and amphoteric surfactants for use in whirlpool bathing systems.**Details of the supplier of the safety data sheet**

| | |
|---|----------------------------------|
| Manufacturer Address | Distributed by: |
| Central Solutions, Inc. 401 Funston Rd. Kansas City, KS 66115 | Penner Patient Care – Aurora, NE |

Emergency Telephone Number

| | |
|------------------------------------|---|
| Company Phone Number | 800-866-736-6377 (M-F 8AM to 5PM, CST) |
| Emergency Telephone (24 hr) | INFOTRAC 1-352-323-3500 (International) 1-800-535-5053 (North America) |

2. HAZARDS IDENTIFICATION

Appearance Clear, red-orange liquid**Physical State** Liquid**Odor** Floral**Classification**

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Formulated with anionic and amphoteric surfactants.

4. FIRST-AID MEASURES

First Aid Measures

| | |
|-----------------------|---|
| General Advice | Provide this SDS to medical personnel for treatment. Always get medical attention when product is swallowed or when symptoms are significant or persist. |
| Eye Contact | Flush with water for 15 minutes. If irritation persists, call physician. |
| Skin Contact | Wash liberally with soap and water. If on clothes: Wash before reuse. |
| Inhalation | Not an expected route of exposure. |
| Ingestion | If patient is conscious and alert, dilute by drinking large quantities of water. If vomiting occurs spontaneously, keep head low to keep from breathing vomit into lungs. |

Most important symptoms and effects

| | |
|-----------------|---|
| Symptoms | If in eyes: Possible mild irritation, watering or redness. If swallowed: Possible gastrointestinal irritation or disturbance. If on skin: Concentrate may cause redness, irritation or burning sensation with prolonged exposure. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical and carbon dioxide. Foam and water fog are effective but may cause frothing.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

This is a water based non-flammable product with no known fire or explosion hazards.

Hazardous Combustion Products Carbon oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers exposed to fire with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|--|
| Personal Precautions | Use personal protective equipment as required. |
|-----------------------------|--|

Methods and material for containment and cleaning up

| | |
|--------------------------------|---|
| Methods for Containment | Prevent further leakage or spillage if safe to do so. |
| Methods for Clean-Up | SMALL SPILLS: Small spills (< 1 gallon) may be washed down a drain or cleaned up and disposed of into a sanitary sewer system. LARGE SPILLS: Large spills (> 1 gallon) should be contained and collected (by absorption or vacuuming) then disposed of properly. |

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean & closed.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep out of the reach of children.
Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines The following information is given as general guidance

Appropriate engineering controls

Engineering Controls Mechanical Ventilations (General): Normally sufficient
 Local Exhaust: Not Normally Needed.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Not normally required under normal use conditions. Avoid eye contact when using.
Skin and Body Protection Gloves not required. This product is a skin cleanser and conditioner.
Respiratory Protection Not needed. General ventilation is normally adequate.
General Hygiene Considerations Do not get into eyes. Protect food & drink from contamination by product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-------------------------------------|--------------------------|--------------------------------|----------------|
| Physical State | Liquid | Odor | Floral |
| Appearance | Clear, red-orange liquid | Odor Threshold | Not determined |
| Color | Red-orange | | |
| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> | |
| pH | 6.00-7.00 | | |
| Melting Point/Freezing Point | Not established | | |
| Boiling Point/Boiling Range | 100 °C / 212 F | | |
| Flash Point | Not determined | | |
| Evaporation Rate | Not established | | |
| Flammability (Solid, Gas) | Not determined | | |
| Upper Flammability Limits | Not available | | |
| Lower Flammability Limit | Not available | | |
| Vapor Pressure | Not established | | |
| Vapor Density | Not established | | |
| Specific Gravity | 1.00 to 1.02 | | |
| Water Solubility | Completely soluble | | |
| Solubility in other solvents | Not determined | | |
| Partition Coefficient | Not determined | | |
| Auto-ignition Temperature | Not determined | | |

| | |
|----------------------------------|----------------|
| Decomposition Temperature | Not determined |
| Kinematic Viscosity | Not determined |
| Dynamic Viscosity | 500-800 cps |
| Explosive Properties | Not determined |
| Oxidizing Properties | Not determined |
| Density | 8.39-8.49 |

lbs/gal

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon dioxide (CO₂), Sulfur dioxide.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|--|
| Eye Contact | May cause mild eye irritation. |
| Skin Contact | None, this product is a skin cleanser and conditioner. |
| Inhalation | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| Ingestion | Possible gastrointestinal irritation or disturbance. |

Component Information

Information on physical, chemical and toxicological effects

| | |
|-----------------|--|
| Symptoms | Please see section 4 of this SDS for symptoms. |
|-----------------|--|

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|------------------------|--|
| Carcinogenicity | This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. |
|------------------------|--|

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be hazardous to the environment.

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

International Inventories

Not determined

Legend:

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

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313

Not determined

US State Regulations

U.S. State Right-to-Know Regulations

Not determined

16. OTHER INFORMATION

| | | | | |
|-------------|---------------------|-------------------|-----------------------|---------------------------------------|
| <u>NFPA</u> | Health Hazards 0 | Flammability 0 | Instability 0 | Special Hazards Not determined |
| <u>HMIS</u> | Health Hazards 0 | Flammability 0 | Physical Hazards 0 | Personal Protection Not determined |

| | |
|----------------|-------------|
| Issue Date | 11-Jan-2005 |
| Revision Date: | 14-Jan-2014 |
| Revision Note | New format |

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 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 Safety Data Sheet