

Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • **System Saver II Pellets; System Saver II Patented Water Softening Pellets; Clean and Protect Water Softener Pellets**

Synonyms • Pellets with System Saver(R) II Formula; System Saver(R) II Pellets
SDS Number/Grade • 1500

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s) • Water conditioner ion exchange resin regeneration

1.3 Details of the supplier of the safety data sheet

Manufacturer • Morton Salt, Inc.
123 N. Wacker Drive
Chicago, IL 60606
United States

saltinfo@mortonsalt.com
Telephone (General) • 312-807-2000

1.4 Emergency telephone number

Manufacturer • 312-807-2000

Section 2: Hazards Identification

EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Not classified
Classification criteria not met
DSD/DPD • Not classified
Classification criteria not met

2.2 Label Elements

CLP
Hazard statements • No label element(s) specifically required
DSD/DPD
Risk phrases • No label element(s) specifically required

2.3 Other Hazards

CLP • According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

DSD/DPD

- According to European Directive 1999/45/EC this preparation is not considered
-

dangerous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

- Not classified
Classification criteria not met

2.2 Label elements

OSHA HCS 2012

Hazard statements • No label element(s) specifically required

2.3 Other hazards

OSHA HCS2012

- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Not classified
Classification criteria not met

2.2 Label elements

WHMIS

- No label element(s) specifically required

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

| Composition | | | | | |
|-----------------|--------------------------------------|-------|---|--|----------|
| Chemical Name | Identifiers | % | LD50/LC50 | Classifications According to Regulation/Directive | Comments |
| Sodium chloride | CAS:7647-14-5 EC Number:231-598-3 | > 99% | Ingestion/Oral-Rat LD50 • 3000 mg/kg | EU DSD/DPD: Not Classified - Criteria not met EU CLP: Not Classified - Criteria not met OSHA HCS 2012: Not Classified - Criteria not met | NDA |

| | | | | | |
|-----------------------|------------------------------------|---------|-----|---|-----|
| Citrates | CAS:18996-35-5 EINECS:242-734-6 | 0.09% | NDA | EU DSD/DPD: Self Classified - Xi, R36/38 EU CLP: Self Classified - Skin Irrit. 2, H315; Eye Irrit. 2, H319 OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2A | NDA |
| Anionic Surfactant | NDA | 0.0075% | NDA | EU DSD/DPD: Self Classified - Xi, R41-38 EU CLP: Self Classified - Eye Dam. 1, H318; Skin Irrit. 2, H315 OSHA HCS 2012: Eye Dam 1; Skin Irrit. 2 | NDA |

See Section 11 for Toxicological Information. See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

- If large quantities are swallowed, call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media ● Material is non-combustible. In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media

- No data available.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- No unusual fire or explosion hazards known.

Hazardous Combustion Products

- Hazardous combustion products may include and are not limited to sulfur oxides.

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Wear suitable protective clothing, gloves, and eye/face protection.

Emergency Procedures

- Stop leak if you can do it without risk. Keep unauthorized personnel away. Use normal clean up procedures.

6.2 Environmental precautions

- None expected to be necessary if material is used under ordinary conditions and as recommended.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Carefully shovel or sweep up spilled material and place in suitable container.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Use good safety and industrial hygiene practices. Wash thoroughly after handling. Keep out of reach of children.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Avoid storage with strong acids and strong oxidizing agents. Store in a dry place.

Incompatible Materials or Ignition Sources

- Strong oxidizing agents, strong acids.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines

- No applicable exposure limits available for product or components.

8.2 Exposure controls

Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear safety glasses.

Skin/Body

- Wear appropriate gloves.

General Industrial Hygiene Considerations

- Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

| Material Description | | | |
|----------------------|--------------|------------------------|--------------------------|
| Physical Form | Solid | Appearance/Description | White compressed pellet. |
| Color | White | Odor | Data lacking |
| Taste | Data lacking | Odor Threshold | Data lacking |

| | | | |
|----------------------------------|--------------|--|--|
| Physical and Chemical Properties | Data lacking | | |
| General Properties | | | |

| | | | |
|-------------------------------------|-------------------------------|----------------------|----------------------|
| Boiling Point | 2575 F(1412.7778 C) | Melting Point | 801 C(1473.8 F) |
| Decomposition Temperature | Data lacking | pH | 3.5 to 4.5 |
| Specific Gravity/Relative Density | 2.165 Water=1 | Water Solubility | 36 g/cc @ 68 F(20 C) |
| Viscosity | Data lacking | Explosive Properties | Not relevant. |
| Oxidizing Properties: | Not relevant. | | |
| Volatility | | | |
| Vapor Pressure | 1 mmHg (torr) @ 1589 F(865 C) | Vapor Density | Data lacking |
| Flammability | | | |
| Flash Point | Not relevant | UEL | Not relevant |
| LEL | Not relevant | Autoignition | Not relevant |
| Flammability (solid, gas) | Not relevant. | | |
| Environmental | | | |
| Octanol/Water Partition coefficient | Data lacking | | |

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Incompatible materials.

10.5 Incompatible materials

- Strong oxidizing agents, strong acids.

10.6 Hazardous decomposition products

- Will react with strong acids to generate hydrogen chloride and with strong oxidizing agents to generate chlorine gas.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

| GHS Properties | Classification |
|------------------------|---|
| Acute toxicity | EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met |
| Aspiration Hazard | EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met |
| Carcinogenicity | EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met |
| Germ Cell Mutagenicity | EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met |

| | |
|--------------------------------------|---|
| Skin corrosion/Irritation | EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met |
| Skin sensitization | EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met |
| STOT-RE | EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met |
| STOT-SE | EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met |
| Toxicity for Reproduction | EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met |
| Respiratory sensitization | EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met |
| Serious eye damage/Irritation | EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met |

Potential Health Effects

Inhalation

Acute (Immediate)

- Under normal conditions of use, no health effects are expected. Inhalation of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness and sore throat.

Chronic (Delayed)

- No data available.

Skin

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)

- Based upon practical use and experience using this product eye irritation is not expected to occur.

Chronic (Delayed)

- No data available.

Ingestion

Acute (Immediate)

- Ingestion may cause the following symptoms -diarrhea.

Chronic (Delayed)

- No data available.

Key to abbreviations

LD = Lethal Dose

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

| | 14.1 UN number | 14.2 UN proper shipping name | 14.3 Transport hazard class(es) | 14.4 Packing group | 14.5 Environmental hazards |
|-----------|----------------|------------------------------|---------------------------------|--------------------|----------------------------|
| DOT | NDA | Not regulated | NDA | NDA | NDA |
| TDG | NDA | Not regulated | NDA | NDA | NDA |
| IMO/IMDG | NDA | Not regulated | NDA | NDA | NDA |
| IATA/ICAO | NDA | Not regulated | NDA | NDA | NDA |

14.6 Special precautions for user

- None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

- None

| State Right To Know | | | | |
|--|------------|----|----|----|
| Component | CAS | MA | NJ | PA |
| Sodium chloride | 7647-14-5 | No | No | No |
| Sodium citrate, dihydrate | 6132-04-3 | No | No | No |
| Stearic acid, calcium salt | 1592-23-0 | No | No | No |
| Citrates | 18996-35-5 | No | No | No |
| Anionic Surfactant | NDA | No | No | No |
| Sodium decyl (sulfophenoxy) benzenesulfonate | 36445-71-3 | No | No | No |

| | | | | |
|------------------------------|------------|-----|----|-----|
| Benzenesulfonic Acid, Oxybis | 70146-13-3 | No | No | No |
| Sodium sulfate | 7757-82-6 | Yes | No | Yes |
| Water | 7732-18-5 | No | No | No |

| Inventory | | | | | | |
|--|------------|------------|-------------|-------|----------|-----------|
| Component | CAS | Canada DSL | Canada NDSL | China | EUEINECS | EU ELNICS |
| Sodium chloride | 7647-14-5 | Yes | No | Yes | Yes | No |
| | | Yes | | Yes | Yes | |
| Sodium citrate, dihydrate | 6132-04-3 | No | No | Yes | No | No |
| Stearic acid, calcium salt | 1592-23-0 | Yes | No | Yes | Yes | No |
| Citrates | 18996-35-5 | Yes | No | Yes | Yes | No |
| Anionic Surfactant | NDA | No | No | No | No | No |
| Sodium decyl (sulfophenoxy) benzenesulfonate | 36445-71-3 | Yes | No | Yes | Yes | No |
| Benzenesulfonic Acid, Oxybis | 70146-13-3 | Yes | No | Yes | Yes | No |
| Sodium sulfate | 7757-82-6 | Yes | No | Yes | Yes | No |
| Water | 7732-18-5 | Yes | No | Yes | Yes | No |
| | | Yes | | Yes | Yes | |

| Inventory (Con't.) | | | | |
|--|------------|------------|------------|------|
| Component | CAS | Japan ENCS | Korea KECL | TSCA |
| Sodium chloride | 7647-14-5 | Yes | Yes | Yes |
| | | Yes | Yes | Yes |
| Sodium citrate, dihydrate | 6132-04-3 | Yes | No | Yes |
| Stearic acid, calcium salt | 1592-23-0 | Yes | Yes | Yes |
| Citrates | 18996-35-5 | Yes | Yes | Yes |
| Anionic Surfactant | NDA | No | No | Yes |
| Sodium decyl (sulfophenoxy) benzenesulfonate | 36445-71-3 | Yes | Yes | Yes |
| Benzenesulfonic Acid, Oxybis | 70146-13-3 | No | Yes | Yes |
| Sodium sulfate | 7757-82-6 | Yes | Yes | Yes |
| Water | 7732-18-5 | No | Yes | Yes |
| | | | Yes | Yes |

Canada

Labor

Canada - WHMIS - Classifications of Substances

| | | |
|--|------------|---|
| • Stearic acid, calcium salt | 1592-23-0 | Uncontrolled product according to WHMIS classification criteria |
| • Sodium citrate, dihydrate | 6132-04-3 | Uncontrolled product according to WHMIS classification criteria |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Uncontrolled product according to WHMIS classification criteria |
| • Sodium chloride | 7647-14-5 | Uncontrolled product according to WHMIS classification criteria |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

Canada - WHMIS - Ingredient Disclosure List

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

Environment**Canada - CEPA - Priority Substances List**

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

Europe**Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |

- | | | |
|--------------------------------|------------|------------|
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

- | | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

- | | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

Mexico**Other****Mexico - Hazard Classifications**

- | | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

Mexico - Regulated Substances

- | | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

- | | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

U.S. - OSHA - Specifically Regulated Chemicals

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

United States -California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

U.S. - California - Proposition 65 - Developmental Toxicity

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |
| • Benzenesulfonic Acid, Oxybis | 70146-13-3 | Not Listed |

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

| | | |
|--|------------|------------|
| • Stearic acid, calcium salt | 1592-23-0 | Not Listed |
| • Sodium citrate, dihydrate | 6132-04-3 | Not Listed |
| • Sodium decyl(sulfophenoxy)benzenesulfonate | 36445-71-3 | Not Listed |
| • Sodium sulfate | 7757-82-6 | Not Listed |
| • Sodium chloride | 7647-14-5 | Not Listed |
| • Citrates | 18996-35-5 | Not Listed |

- Benzenesulfonic Acid, Oxybis 70146-13-3 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

- Stearic acid, calcium salt 1592-23-0 Not Listed
- Sodium citrate, dihydrate 6132-04-3 Not Listed
- Sodium decyl(sulfophenoxy)benzenesulfonate 36445-71-3 Not Listed
- Sodium sulfate 7757-82-6 Not Listed
- Sodium chloride 7647-14-5 Not Listed
- Citrates 18996-35-5 Not Listed
- Benzenesulfonic Acid, Oxybis 70146-13-3 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

- Stearic acid, calcium salt 1592-23-0 Not Listed
- Sodium citrate, dihydrate 6132-04-3 Not Listed
- Sodium decyl(sulfophenoxy)benzenesulfonate 36445-71-3 Not Listed
- Sodium sulfate 7757-82-6 Not Listed
- Sodium chloride 7647-14-5 Not Listed
- Citrates 18996-35-5 Not Listed
- Benzenesulfonic Acid, Oxybis 70146-13-3 Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

- Stearic acid, calcium salt 1592-23-0 Not Listed
- Sodium citrate, dihydrate 6132-04-3 Not Listed
- Sodium decyl(sulfophenoxy)benzenesulfonate 36445-71-3 Not Listed
- Sodium sulfate 7757-82-6 (solution)
- Sodium chloride 7647-14-5 Not Listed
- Citrates 18996-35-5 Not Listed
- Benzenesulfonic Acid, Oxybis 70146-13-3 Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

- Stearic acid, calcium salt 1592-23-0 Not Listed
- Sodium citrate, dihydrate 6132-04-3 Not Listed
- Sodium decyl(sulfophenoxy)benzenesulfonate 36445-71-3 Not Listed
- Sodium sulfate 7757-82-6 Not Listed
- Sodium chloride 7647-14-5 Not Listed
- Citrates 18996-35-5 Not Listed
- Benzenesulfonic Acid, Oxybis 70146-13-3 Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date ● 14/Nov/2016

Preparation Date ● 4/Jan/2010

Disclaimer/Statement of Liability ● The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information

contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations. Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

Key to abbreviations

NDA = No data available
