SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
- Trade name: Epic 561 White Beads EP561WXXX
- Article number: 200113

1.2 Relevant identified uses of the substance or mixture and uses advised against
- No further relevant information available.

1.3 Details of the supplier of the Safety Data Sheet
- Manufacturer/Supplier: Simoniz®, USA
  201 Boston Turnpike
  Bolton, CT 06043
  Phone: 800-227-5536

1.4 Emergency telephone number:
- ChemTel Inc.
  (800)255-3924

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  Classifications listed also are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).

  Eye Irrit. 2 H319 Causes serious eye irritation.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
  Xi; Irritant
  R36: Irritating to eyes.

- Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
  The substance is classified and labelled according to the Globally Harmonized System within the United States (GHS).
The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)
Trade name: Epic 561 White Beads EP561WXXX

- **Hazard pictograms**
  
  GHS07

- **Signal word** Warning

- **Hazard-determining components of labelling:**
  sodium dodecylbenzenesulphonate

- **Hazard statements**
  H319 Causes serious eye irritation.

- **Precautionary statements**
  P280 Wear protective gloves / eye protection.
  P264 Wash thoroughly after handling.
  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P337+P313 If eye irritation persists: Get medical advice/attention.
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Hazard description:**
  - **WHMIS-symbols:**
    D2B - Toxic material causing other toxic effects

- **NFPA ratings (scale 0 - 4)**
  - Health = 1
  - Fire = 0
  - Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**
  - Health = 1
  - Fire = 0
  - Reactivity = 0

- **HMIS Long Term Health Hazard Substances**
  None of the ingredients are listed.

- **2.3 Other hazards**
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>CAS: 497-19-8</th>
<th>sodium carbonate</th>
<th>10-25%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 207-838-8</td>
<td>Xn R22; Xi R36; Eye Irrit. 2; H319</td>
<td></td>
</tr>
<tr>
<td>Index number: 011-005-00-2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 1344-09-8</th>
<th>Silicic acid, sodium salt</th>
<th>2,5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 215-687-4</td>
<td>Xn R22; Xi R37/38-41; Met. Corr. 1; H280; Skin Corr. 1B; H314; Eye Dam. 1; H318; STOT SE 3, H335</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 25155-30-0</th>
<th>sodium dodecylbenzenesulphonate</th>
<th>2,5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 246-680-4</td>
<td>Xn R22; Xi R38-41; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315</td>
<td></td>
</tr>
</tbody>
</table>

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:
Brush off loose particles from skin.
Immediately rinse with water.
If skin irritation continues, consult a doctor.

After eye contact:
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Gastric or intestinal disorders.
Breathing difficulty
Slight irritant effect on skin and mucous membranes.
Irritant to eyes.

Hazards
Danger of gastric perforation.
Danger of pulmonary oedema.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.
SECTION 5: Firefighting measures

- 5.1 Extinguishing media
  - Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
  - For safety reasons unsuitable extinguishing agents: None.
- 5.2 Special hazards arising from the substance or mixture
  Formation of toxic gases is possible during heating or in case of fire.
- 5.3 Advice for firefighters
  - Protective equipment:
    Wear self-contained respiratory protective device.
    Wear fully protective suit.
  - Additional information No further relevant information available.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  Use respiratory protective device against the effects of fumes/dust/aerosol.
  Ensure adequate ventilation
  Wear protective equipment. Keep unprotected persons away.
  Avoid formation of dust.
  Product forms slippery surface when combined with water.
- 6.2 Environmental precautions: No special measures required.
- 6.3 Methods and material for containment and cleaning up:
  Pick up mechanically.
  Send for recovery or disposal in suitable receptacles.
  Clean the affected area carefully; suitable cleaners are:
    Warm water
- 6.4 Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  Prevent formation of dust.
  Any unavoidable deposit of dust must be regularly removed.
  Information about fire - and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage:
    Requirements to be met by storerooms and receptacles:
    Protect from humidity and water.
    Store in a cool location.
    Avoid storage near extreme heat, ignition sources or open flame.
Information about storage in one common storage facility:
Store away from foodstuffs.
Do not store together with oxidising and acidic materials.
Further information about storage conditions:
This product is hygroscopic.
Keep container tightly sealed.
Protect from humidity and water.
7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
DNELs No further relevant information available.
PNECs No further relevant information available.
Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
Respiratory protection:
Use suitable respiratory protective device when high concentrations are present. For spills, respiratory protection may be advisable.
Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Safety Data Sheet  
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS  

Printing date 19.11.2014  
Revision: 19.11.2014  

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Eye protection:  

Safety glasses  

Body protection: Protective work clothing  

Limitation and supervision of exposure into the environment  
No further relevant information available.  

Risk management measures  
See Section 7 for additional information.  
No further relevant information available.  

SECTION 9: Physical and chemical properties  

9.1 Information on basic physical and chemical properties  

General Information  

Appearance:  
Form: Granulate  
Colour: White  
Odour: Odourless  
Odour threshold: Not determined.  

pH-value: Not applicable.  

Change in condition  
Melting point/Melting range: Not Determined.  
Boiling point/Boiling range: Undetermined.  

Flash point: Not applicable.  

Flammability (solid, gaseous): Not determined.  

Auto/Self-ignition temperature: Not determined.  

Decomposition temperature: Not determined.  

Self-igniting: Product is not self-igniting.  

Danger of explosion: Product does not present an explosion hazard.  

Explosion limits:  
Lower: Not determined.  
Upper: Not determined.  

Vapour pressure: Not applicable.  

Density at 20 °C: 4.2 g/cm³  
Relative density Not determined.  
Vapour density Not applicable.  
Evaporation rate Not applicable.  

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Trade name: Epic 561 White Beads EP561WXXX

- Solubility in / Miscibility with water: Soluble.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.
- 9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
  - Thermal decomposition / conditions to be avoided:
    No decomposition if used and stored according to specifications.
    Can decompose slowly with localised heating above 150 °C.
- 10.3 Possibility of hazardous reactions
  - Strong exothermic reaction with acids.
  - As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.
  - Toxic fumes may be released if heated above the decomposition point.
- 10.4 Conditions to avoid: Moisture.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products:
  - Carbon monoxide and carbon dioxide
  - Sulphur oxides (SOx)

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity:
    - Primary irritant effect:
      - on the skin: Slight irritant effect on skin and mucous membranes.
      - on the eye: Irritating effect.
    - Sensitisation: No sensitising effects known.
  - Additional toxicological information:
    The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant

SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity: No further relevant information available.
  - 12.2 Persistence and degradability: biodegradable
12.3 Bioaccumulative potential: Does not accumulate in organisms.
12.4 Mobility in soil: No further relevant information available.

Ecotoxical effects:
- Remark: After neutralisation a reduction of the harming action may be recognised
- Additional ecological information:
- General notes:
  Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
  Must not reach sewage water or drainage ditch undiluted or unneutralised.

12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
- Recommendation
  Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
  Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water only.

SECTION 14: Transport information

14.1 UN-Number
- DOT, ADR, ADN, IMDG, IATA: Not Regulated
14.2 UN proper shipping name
- DOT, ADR, ADN, IMDG, IATA: Not Regulated
14.3 Transport hazard class(es)
- DOT, ADR, ADN, IMDG, IATA: Not Regulated

14.4 Packing group
- DOT, ADR, IMDG, IATA: Not Regulated
14.5 Environmental hazards:
- Marine pollutant: No
14.6 Special precautions for user
- Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
- Not applicable.
14.8 UN "Model Regulation": -

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SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  · United States (USA)
    · SARA
      · Section 355 (extremely hazardous substances):
        None of the ingredients are listed.
      · Section 313 (Specific toxic chemical listings):
        7758-29-4 pentasodium triphosphate
    · TSCA (Toxic Substances Control Act):
      All ingredients are listed.
    · Proposition 65 (California):
      · Chemicals known to cause cancer:
        None of the ingredients is listed.
    · Chemicals known to cause reproductive toxicity for females:
      None of the ingredients are listed.
    · Chemicals known to cause reproductive toxicity for males:
      None of the ingredients are listed.
    · Chemicals known to cause developmental toxicity:
      None of the ingredients are listed.
    · Carcinogenic Categories
      · EPA (Environmental Protection Agency)
        None of the ingredients are listed.
      · IARC (International Agency for Research on Cancer)
        None of the ingredients are listed.
      · TLV (Threshold Limit Value established by ACGIH)
        None of the ingredients are listed.
      · NIOSH-Ca (National Institute for Occupational Safety and Health)
        None of the ingredients are listed.
  · Canada
    · Canadian Domestic Substances List (DSL)
      All ingredients are listed.
    · Canadian Ingredient Disclosure list (limit 0.1%)
      None of the ingredients are listed.
    · Canadian Ingredient Disclosure list (limit 1%)
      497-19-8 sodium carbonate
      25155-30-0 sodium dodecylbenzenesulphonate
Trade name: Epic 561 White Beads EP561WXXX

- Other regulations, limitations and prohibitive regulations
  - Substances of very high concern (SVHC) according to REACH, Article 57
    None of the ingredients are listed.
  - 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
  - H290 May be corrosive to metals.
  - H302 Harmful if swallowed.
  - H314 Causes severe skin burns and eye damage.
  - H315 Causes skin irritation.
  - H318 Causes serious skin damage.
  - H319 Causes serious eye irritation.
  - H335 May cause respiratory irritation.
  - R22 Harmful if swallowed.
  - R36 Irritating to eyes.
  - R37/38 Irritating to respiratory system and skin.
  - R38 Irritating to skin.
  - R41 Risk of serious damage to eyes.

- Abbreviations and acronyms:
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - WHMIS: Workplace Hazardous Materials Information System (Canada)
  - DNEL: Derived No-Effect Level (REACH)
  - PNEC: Predicted No-Effect Concentration (REACH)
  - Met. Corr.1: Corrosive to metals, Hazard Category 1
  - Acute Tox. 4: Acute toxicity, Hazard Category 4
  - Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
  - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
  - Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
  - Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
  - STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3