1 Identification

- Product identifier
  - Trade name: Mega Power
  - Application of the substance / the mixture
    Laundry
    Detergent
  
- Details of the supplier of the safety data sheet
  - Manufacturer/Supplier:
    SEITZ GmbH
    Gutenbergstrasse 1 - 3
    65830 Kriftel / Germany
    Tel. + 49(0) 6192-9948-0
    Fax + 49(0) 6192-9948-99
    order@seitz24.com
    www.seitz24.com
  
- Information department:
  - CHEM-TEL Inc.
    1305 North Florida Ave
    Tampa Florida 33602
  
- Emergency telephone number: 1-800-255-3924

2 Hazard(s) identification

- Classification of the substance or mixture
  
  GHS05 Corrosion
  
  Met. Corr. 1  H290 May be corrosive to metals.
  Skin Corr. 1B  H314 Causes severe skin burns and eye damage.
  Eye Dam. 1  H318 Causes serious eye damage.

  GHS07
  
  STOT SE 3  H335 May cause respiratory irritation.

- Label elements

- GHS label elements
  The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard pictograms
  
  GHS05  GHS07

- Signal word Danger

- Hazard-determining components of labeling:
  disodium metasilicate pentahydrate
  isotridecanol, ethoxylated

- Hazard statements
  H290 May be corrosive to metals.

(Contd. on page 2)
Trade name: Mega Power

- Precautionary statements
  - P260 Do not breathe dust.
  - P280 Wear protective gloves / eye protection.
  - P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P310 Immediately call a POISON CENTER/doctor.

Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

3 Composition/information on ingredients
- Chemical characterization: Mixtures
  - CAS-No. Components:
    - CAS: 10213-79-3 disodium metasilicate pentahydrate 25 - 50%
    - CAS: 497-19-8 sodium carbonate 25 - 50%
    - CAS: 69011-36-5 isotridecanol, ethoxylated < 2.5%

4 First-aid measures
- Description of first aid measures
  - General information
    Remove casualties from exposure.
    Keep unprotected persons away.
    Immediately remove any clothing soiled by the product.
  - After inhalation
    Supply fresh air; consult doctor in case of complaints.
  - After skin contact
    Immediately rinse with water.
    Seek medical treatment.
  - After eye contact
    Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing
    Rinse out mouth and then drink plenty of water.
    Do not induce vomiting; immediately call for medical help.
  - Information for doctor
    Most important symptoms and effects, both acute and delayed
    Causes severe skin burns and eye damage.
    May cause respiratory irritation.
  - Indication of any immediate medical attention and special treatment needed
    Symptomatic treatment
5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents
  CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents
  No further relevant information available.
- Special hazards arising from the substance or mixture
  Formation of toxic gases is possible during heating or in case of fire.
- Advice for firefighters
- Protective equipment:
  Do not inhale explosion gases or combustion gases.
  Wear self-contained respiratory protective device.
- Additional information
  Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
  Avoid contact with eyes and skin.
  Avoid formation of dust.
- Environmental precautions:
  Do not allow product to reach sewage system or any water course.
- Methods and material for containment and cleaning up:
  Pick up mechanically.
  Send for recovery or disposal in suitable receptacles.
- 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.

7 Handling and storage

- Handling
  Precautions for safe handling
  Keep away from heat and direct sunlight.
  Prevent formation of dust.
  Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
  Avoid contact with eyes and skin.
  Information about protection against explosions and fires:
  No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage
  Requirements to be met by storerooms and receptacles:
  Store only in the original receptacle.
  Unsuitable material for receptacle: aluminium.
  Information about storage in one common storage facility:
  Store away from foodstuffs.
  Further information about storage conditions:
  Protect from heat and direct sunlight.
  Store in cool, dry conditions in well sealed receptacles.
  Protect from humidity and water.
Trade name: Mega Power

- Time of storage: max. 36 month
  - Specific end use(s) Laundry

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Control parameters
- Components with limit values that require monitoring at the workplace:
- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- Personal protective equipment
  - General protective and hygienic measures
  The usual precautionary measures for handling chemicals should be followed.
  Do not eat, drink, smoke or sniff while working.
  Vacuum clean contaminated clothing. Do not blow or brush off contamination.
  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.
  Do not inhale dust / smoke / mist.
  - Breathing equipment: By formation of dust: dust mask
  - Protection of hands: Protective gloves.
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - Material of gloves
  Nitrile rubber, NBR
  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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - Eye protection: Tightly sealed goggles.
  - Body protection: Protective work clothing.

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
  - Appearance:
    - Form: Powder
    - Color: White
    - Odor: Product specific
  - pH-value (100 g/l) at 40 °C (104 °F): ~ 12.6
  - Change in condition
    - Melting point/Melting range: undetermined
Trade name: Mega Power

### Boiling point/Boiling range:
- not applicable

### Flash point:
- Not applicable

### Flammability (solid, gaseous):
- No further relevant information available.

### Ignition temperature:
- No further relevant information available.

### Decomposition temperature:
- No further relevant information available.

### Auto igniting:
- Product is not self-igniting.

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

### Explosion limits:
- Lower: No further relevant information available.
- Upper: No further relevant information available.

### Oxidizing properties:
- No further relevant information available.

### Vapor pressure:
- No further relevant information available.

### Density:
- Bulk density at 20 °C (68 °F): ~ 910 kg/m³
- Relative density: No further relevant information available.
- Vapor density: No further relevant information available.
- Evaporation rate: No further relevant information available.

### Solubility in / Miscibility with Water:
- Easily soluble

### Partition coefficient (n-octanol/water):
- No further relevant information available.

### Viscosity:
- dynamic: No further relevant information available.
- kinematic: No further relevant information available.

### Other information:
- No further relevant information available.

### 10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability:
  - Stable under normal ambient conditions.
  - No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions:
  - Reacts with acids
  - Corrodes aluminium
- Conditions to avoid:
  - No further relevant information available.
- Incompatible materials:
  - Acids
  - Certain metals
- Hazardous decomposition products:
  - No dangerous decomposition products known
11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

<table>
<thead>
<tr>
<th>CAS: 10213-79-3 disodium metasilicate pentahydrate</th>
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<tbody>
<tr>
<td>Oral LD50</td>
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<tr>
<td>Dermal LD50</td>
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<tr>
<td>Inhalative LC50</td>
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<tr>
<td>Dermal LD50</td>
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- on the skin: Causes severe skin burns and eye damage.
- on the eye: Causes serious eye damage.
- Sensitization: Based on available data, the classification criteria are not met.
- Additional toxicological information:
  - Carcinogenic categories
    - IARC (International Agency for Research on Cancer)
      None of the ingredients is listed.
    - NTP (National Toxicology Program)
      None of the ingredients is listed.
    - OSHA-Ca (Occupational Safety & Health Administration)
      None of the ingredients is listed.

12 Ecological information

- Toxicity

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</table>

- Persistence and degradability: No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.
Trade name: Mega Power

* Additional ecological information:
  * General notes:
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
    The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
  * Results of PBT and vPvB assessment
    * PBT: Not applicable.
    * vPvB: Not applicable.
  * Other adverse effects
    No further relevant information available.

* 13 Disposal considerations

  * Waste treatment methods
  * Recommendation:
    Contaminated adsorbent, soil, water must be disposed of in a permitted hazardous waste management facility. Recovered products may be reused, reprocessed or incinerated or must be treated in a permitted hazardous waste management facility. It is your duty to dispose of the chemical materials and/or their containers in accordance with the Clean Air Act, The Clean Water Act, RCRA, as well as applicable Federal, State, and local Regulations regarding disposal.

* 14 Transport information

  * UN-Number
    DOT, ADR, IMDG, IATA
    UN3262
  * UN proper shipping name
    DOT
    Corrosive solid, basic, inorganic, n.o.s. (Disodium trioxosilicate)
  * ADR
    3262 Corrosive solid, basic, inorganic, n.o.s. (Disodium trioxosilicate)
  * IMDG, IATA
    CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (DISODIUM TRIOXOSILICATE)

  * Transport hazard class(es)
    * DOT
      Class 8 Corrosive substances
      Label 8
    * ADR
      Class 8 (C6) Corrosive substances
Trade name: Mega Power

- Label 8
- IMDG, IATA
- Class 8 Corrosive substances
- Label 8
- Packing group DOT, ADR, IMDG, IATA III
- Special precautions for user Warning: Corrosive substances
- Danger code (Kemler): 80
- EMS Number: F-A, S-B
- Segregation groups Alkalis
- Stowage Category A
- Segregation Code SG35 Stow "separated from" acids.
- Environmental hazards: Not applicable.

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
- Transport/Additional information:
  - DOT Quantity limitations On passenger aircraft/rail: 25 kg
  - ADR Maximum net quantity per inner packaging: 30 g
  - IMDG Maximum net quantity per outer packaging: 1000 g
  - UN "Model Regulation": UN 3262 CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (DISODIUM TRIOXOSILICATE), 8, III

- Canadian substance lists
  - Canadian domestic substance list (DSL): All ingredients are listed.
  - Canadian ingredient disclosure list (limit 0.1%): None of the ingredients is listed.
  - Canadian ingredient disclosure list (limit 1%): CAS: 497-19-8 sodium carbonate
Trade name: Mega Power

- **Section 355 (extremely hazardous substances):**
  None of the ingredients is listed.

- **Section 313 (specific toxic chemical listings):**
  CAS: 7758-29-4 pentasodium triphosphate

- **TSCA (Toxic Substances Control Act):**
  All ingredients are listed.

- **Proposition 65**
  - **Chemicals known to cause cancer:**
    None of the ingredients is listed.
  - **Chemicals known to cause reproductive toxicity for females:**
    None of the ingredients is listed.
  - **Chemicals known to cause reproductive toxicity for males:**
    None of the ingredients is listed.
  - **Chemicals known to cause developmental toxicity:**
    None of the ingredients is listed.

- **New Jersey Right-to-Know List:**
  None of the ingredients is listed.

- **New Jersey Special Hazardous Substance List:**
  None of the ingredients is listed.

- **Pennsylvania Right-to-Know List:**
  CAS: 7758-29-4 pentasodium triphosphate
  CAS: 7757-82-6 sodium sulphate

- **Pennsylvania Special Hazardous Substance List:**
  CAS: 7758-29-4 pentasodium triphosphate
  CAS: 7757-82-6 sodium sulphate

- **EPA (Environmental Protection Agency)**
  None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**
  None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
  None of the ingredients is listed.

- **National regulations**

- **Other regulations, limitations and prohibitive regulations**

- **Please note:**
  The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that their activities comply with Federal, State or provincial and local laws. The following specific information is made for the purpose of complying with numerous laws and regulations.

- **Other information:**
  The product has been designed for professional use only.
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.

- **Date of preparation / last revision**: 11/04/2016 / 2
- **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
  - 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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - Met. Corr. 1: Corrosive to metals – Category 1
  - Skin Corr. 1B: Skin corrosion/irritation – Category 1B
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- **Data compared to the previous version altered.**